CY/GIHOSS Page 1

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5, 2003, 17:11:03 ; Search time 21 Seconds (without alignments) 41.215 Million cell updates/sec
version 5.1.6
- 2003 Compugen Ltd.
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283308 segs, 96168682 residues

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ost processing: Minimum Match 188 Maximum Match 100% Listing first 45 summaries

piR 76:*
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1: pir4:* atabase :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Pseudom

dSTase

phosphotransferase	receptor	T-cell receptor be	T-cell receptor be	T-cell receptor be	T-cell receptor be	sperm-activating p	sperm-activating p	urine alycopeptide	Ig heavy chain CRD	T-cell receptor be		T-cell receptor be	T-cell receptor be	L-serine ammonia-1
B39127	PT0523	PT0665	PT0567	PT0689	PT0688	E60588	G60588	XGHUEU	PT0298	PT0613	PT0547	PT0724	PT0725	A25836
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30	32	33	34	35	36	37	38	39	40	4,1	42	43	44	45

ALIGNMENTS

RESULT 1 PT0604 T-0614 T-0614 T-0614 T-0614 T-0614 T-0615 C;Species: Mus musculus (Rouse mouse) C;Species: Mus musculus (Rouse mouse) C;Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997 C;Accession: PT0604 R;Recent, A.J. J. Exp. Med. 174, 115-124, 1991 A;Title: Junctional sequences of fetal T cell receptor beta chains have few N regions. A;Reference number: PT0509; MJDD:91277601; PMID:171558 A;Accession: PT0604 A;Status: translation not shown A;Molecule type: mRNA A;Residues: 1-6 «FEE» A;Experimental source: newborn thymus, strain BALB/C C;Keywords: T-cell receptor	Query Match Best Local Similarity 100.3%; Pred. No. 2.8e+05; Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Qy 2 DGQ 4	RESULT 2 Pro651 T-cell receptor beta chain V-D-J region (121-1K) - mouse (fragment) C;Species: Mus musculus (house mouse) C;Species: Mus musculus (house mouse) C;Date: 17-cul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997 C;Accession: Pr0657 R;Feeney, A.J. J. Exp. Med. 174, 115-124, 1991 A;Title: Junctional sequences of fetal T cell receptor beta chains have few N regions. A;Reference number: Pr0659; MJID:91277601; PMID:1711558 A;Reference number: Pr0659; MJID:91277601; PMID:1711558 A;Residues: Lranslation not shown A;Molecule type: mRNA A;Residues: 1-6 FEES. A;Residues: 1-	C.Keywords: T-cell receptor ("Keywords: T-cell receptor") 36.2%; Score 17; DB 2; Length 6; Best Local Similarity 100.0%; Pred No. 2.88+05; Matches 3; Conservative 0; Mismatches 0; Indels C; Gaps 0; Oy 2 DGC 4 Db 4 DGC 6
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C)Accession: 829735

R)Philips, N.F.B.; Horn, P.C.; Wood, H.G.

R)Philips, N.F.B.; Horn, P.C.; Wood, H.G.

Arch. Blochem. Brophys. 300, 330-319, 1993

Aritie: The polyphosphate and ATP-dependent glucokinase from Propionibacterium sherman A:Reference number: 829735

A;Accession: 829735

A;Accession: 829735

A;Accession: Preliminary

A;Molocule type: profesin

A;Residues: 1-7 cPH;
C;Keywords: phosphatransteriase
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Williams, U.S.

Exp. Hematol, 19, 704-729, 1991

A:Thile: Furification and Amino acid analysis of a human macrophage cytotoxicity-inducit

A:Thile: Furification and Amino acid analysis of a human macrophage cytotoxicity-inducit

A:Reference number: Acid27, McDis9137138, PMID:1909970

A:Reference number: Acid27

A:Molecule type: protein

A:Residuces: 1-9 -40NN

A:Revwords: cytoxine
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CySpecies: Propionibacterium freudenreichii subsp. shermanii
CyDate: 19-Mar:1997 #sequence_revision 19-Mar-1997 #text_change 03-Jun-2002
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C.Species: Homo sapions (man)
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                                                                                                                               macrophage cytoloxicity inducing factor, 29K - human (fragment)
C.Species: Homo sapiuns (man)
C.Date: 12:Feb-1993 #sequence revision 12 Feb-1993 #text_change 18 Jun-1993
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There is a Septiated Residence tevision so Neprimed Heart,
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Identification in unity of a low rolecular weight highly polar

91youopeptide containing cynteinyl galactose.";

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1. FUNCTION: THE 1DENTITY OF THE SIYOPROPER FROM WHICH THIS PEPTIDE

1. SDERIVED IS UNKNOWN. NO PHYSIOLOGICAL FUNCTION HAS BEEN

ATTRIBUTED. AN ERYTHROCYTE MEMPRANE GLYCOPEPTIDE HAVING A

SIMILAR STRUCTURE HAS ALSO BEEN FOUND.

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                                                                                                                                                                                                                                                                                                                                            "Composition and role of tapetal liquo todies in the biomenesis of the politen coat of Brassica mapus."; Planta 208:588-598(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FUNCTION: MAY PLAY A STRUCTURAL ROLE IN THE ELAD STACT, A TAPETUM-
SPECIFIC PLASTIDIAL LIPID ORGANELUE
TISSUE SPECIFICITY: TAPETUM OF ANTHERS.
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MEDLINE=92242847; PubMed=1747384.
MEDLINE=922424 B., Keiler B., Verlout M. Frinch A.,
Partiel P., Keiler B., Sedimeter D., Keiler B., Verlout M. Frinch A.,
"Structure and Trological act. Verlout C. Pasteceso perpositions: Feptices reportined with annitodies to distin
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                                                                                                                                                                      STRAIN=CV. TUPAZ, TISSUE=Tapetum;
MEULINE=99349136; PubMed=10420651;
Hernandez-Pinzon I., Ross J.H.B., Bathes K.A., Danam A.F.,
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01 MAP. 1992 (Rel. 21, Created)
01 MAP. 1992 (Rel. 21, Last sequence update)
01 MAP. 1992 (Rel. 21, Last semodation update)
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eurosids II; Brassicales, Brassicaceae, Brassica.
NCSI TaxID=3708;
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Best Codal Similarity 75.0%; Pred. No. 1.3e+05;
Matches 3; Conservative 0; Misharches -,
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NOBL TAXID=1079;

Phodopseudomonas viridis.

HAMAD, ME 00109, 1 1 1 INVESTIGATION OF THE PRINCE CANALY INTERPRETATION TO PROBLEM PROSTIES, PS00387; PRASE, PARTIAL

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Abogada F.C., Dorter J., Dyver J.E., Cruz L.J., Olivera B.M.,
Abogada F.C., Porter J.E., Dyver J.E., Cruz L.J., Olivera B.M.,
Abogada F.C., Porter J.E., Dyver J.E., Cruz L.J., Olivera B.M.,
RA McIntosh J.M.;
RT "A novel post-translational modification involving bromination of
T." A novel post-translational modification involving bromination of
T. Prychophan. Identification of the residue, L.6-bromotryptophan. in
RT "A novel post-translational modification involving bromination of
T. Prychophan. Identification of the residue, L.6-bromotryptophan. in
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RT "A novel Dost not clining gross behavioral symptoms when injected centrally or peripherally in mice.
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T. MOD RES G. BROMINGTION.
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MEDIJNE=02:35999, PurMed-1698033;
Evans R.D., Poblill, Kartsonis M.A., Calabrese R.D.;
Evans R.D., Poblill, Kartsonis M.A., Calabrese R.D.;
"Identification of Pramide neuropeyides in the medicinal leach";
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01-NCV-1995 (Rel. 12, Last sequence update)
01-NCV-1995 (Rel. 12, Last sequence update)
01-NCV-1995 (Rel. 12, Last unnotation update)
FMRS.mide like Leatopeptide GRYNRPP-amide.
FMRS.mide like Leatopeptide GRYNRPP-amide.
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01.CAN-1988 (Re). 16, Last sequence update)
01.CAN-1994 (Re). 6, Last sequence update)
01.CAN-1994 (Re). 6, Last smiotation update)
03-actose oxidation inhibitor
Dactyllum dendropes (Cladiorityum dendroldes).
Exkaryota, Fungil Assomytoria, Perizomytotina, Soldarlomytetes,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Amatch 23.4%, Score 11, DF 1, Length 7, Local Similarity 100 0%, Fred. No. 1.36+05; her 2, Conservative 0; Mismatches 0; Indels
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AMIDATION.
  MEDLINE=97184108; PubMed=9030520;
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IGAC DACOE
ID IGAC DACOE
AC P06294;
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P42564;
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Enwarysta, Metazoa, Moliusca, Gastispida, 200, 16,11 g. 50;
Aponastispida, Gaenogastispoda, 2016-0, 2014) Pyje (1617-19, 20, Mediastispida) Considar, Condary Conus.
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Mammilia, Eutherna, Lagomorpha, Deposidie, Crystonius
                                                   Zr indeis
  Length 9.
Score 12, 16 1, 1, E. Pred. No. 1.34+05; 3; Mismarches 2;
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01 XAY 1992 (Pr., 22, Last segment of deta
28 FBS 2003 (Rrd, 41, Last ammodiation update,
Vey, Amino acid releasing enzyme (R. 4 19.)
(ARE) (Acylaminodcyl-peptidase) (Filament).
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Blomcheptapeptide [7], Last amoutant up three
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felisite, ESCUTOR; PROLENDERP SEA: PARTIAL
Pytholuse, Acetylation.
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SEQUENCE A.A. CAS WW. 67110 TO Pore
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                             Similarity 16.7
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Bukanyota, Matazia, Chordata, Cranista, Veneriala, Huteleoseromi,
Marmalia, Eutree, d. Podentia, Schmishidan, Mundau, Mundau, Ratius,
MCPI Taxin 10114;
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LEX.P. PRESSHEY K.-P., Schelt C., Regitz-Zaricerk V., Salikov Chogolut Fr., Schelt C., Regitz-Zaricerk V., Salikov Chogolut F., Straine C., Salikov Shomitted (SR.)

Submitted (SR.)

FROTEIN IS P.S. ITS MW IS 42 KD4.

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15-0EC-1998 (Rel. 37, Last sequence update.
15-0EC-1998 (Rel. 37, Last annotation update.
Unknown protein from 2D-page of heart tissue (Spot Fill Fragment)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query March 23.4%, Score II, 38.1, Length P. Pest Local Similarity 136.0%, Pred. No. 1.5+05, Marches 2, Conservative 3, Mismatches 3, Inhels
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Hypocheomycetidae, Hypocheales, Hypocheaceae, Hypomyces, WCBI_TaxID+5:32,
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                                                    "Isolation and identification of multiple neuropeptides of the allatostatin superfamily in the shore crab Carcinus maenas.";
Eur. J. Biochem. 250:727-734 (1997).
- FUNCTION: MAY ACT AS A NEUROPRAMMITTER OR NEUROMODULATOR.
- SIMILARITY: BELONGS TO THE ALLATOSTATIN FAMILY.
Neuropeptide: Aridation: Multigene family.
MOD_RES 9 AMIDATION (POTENTIAL).
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Duve H., Johnsen A.H., Maestro J. L., Scott A.G., Jaros P.P., Thorpe A.;
                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                               23.4%; Score 11; DB 1; Length B; 200.0%; Pred. No. 1.3e+05;
                                                                                                                                                                                                                                                                       SEQUENCE 8 AA; 858 MW; C8287905AB46D865 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
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Job time : 12 secs
                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 100.
Matches 2; Conservative
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QBmjt8 eulemur ful Q9150 homo sapien Q914d3 homo sapien Q914m5 perineteis Q8151 box taurus Q4059 oryza sativ Q931e4 heliobacill

093738 escherichia Q97735 streptomyce Q937b9 enterobacte

G9g2a8 mus musculu G95j12 carassius a Q95j14 danio frank G9j16 danio albol Q9597 homo sapien Q93x0 planktothri Q92e29 buchnera ap Q45889 clostridium Q94c23 marduca sex Q9et18 mus spretus Q9et18 mus spretus Q9et16 mus caroli Q9et16 mes caroli Q9et16 mes caroli Q9et16 mes caroli

QBrkc6 erwinia chi P83222 streptomyce P82568 streptococc P78484 homo sapien

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SEQUENCE FROM N.A.

Kang H.S., Park Y.J., Jung H.W., Jun D.Y., Huh T.L., Kim Y.H.;

"Characterization of TPA-responsive genes in U937 cells using ordered
differential display PCR.";

Submitted (JUL.2011) to the EMBI/GenBank/DDBJ databases.

EMBI.AF401216; AA:02172.1;
                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleos.omi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
NCBI TaxiD-9606,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               40.4%; Score 19; DB 4; Length 9; ilarity 60.0%; Pred. No. 8.3e+05; Conservative 1; Mismatches 1; Indels
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0.1-007-2002 (TrEXBLTE), 22, Created)
01-007-2002 (TrEXBLTE), 22, Last sequence update)
01-007-2002 (TrEXHILE), 22, Last annotation update)
Beta-expansin-like profein (Fragment).
                                                                                                                                                                                                                                                                                                                                               01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
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O904'S cattus Sp.
O4045 copsaltria
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score greater than or equal to the score of the result being printed,
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                                                            5, 2003, 17:10:22 ; Search time 3: Seconds (without alignments)
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"Simian sarcome virus transformation of normal rat kidney fibroblasts is associated with markedly increased basic fibroblast growth factor expression.";
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                                                                           SEQUENCE 8 AA, 80° MW, BC787AABG7673AFA CRC64;
                                                  Biochem, Biophys, Res. (o-mun, 180:423-430(1991).
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50.0%; Pred. No. 8.3e+05;
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Milner P.G.
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"Herman clutting factor VIII gene, junction regions of the defendence
such a through 7.1% of the EMBLEGARK OFFC databases.
EMBL, ABG40872, BAA94312.1;
NOW TER A

SECURIOR R AA: 866 MW; 1016-44/AARDSHOLE CHP64,
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Marmalia, Eutheria, Rodentia, Schurognathis Minidse, Minimaes, Rattus,
N.B. TaxIosiolis,
                                                                            SEQUENCE FROM N A.

STRAIN CO. CLAS.
Ching A.S., Caldwall K.S., Cong M., Polan M., Smith D.S., Though S.,
Ching A.S., Rafalski C.A.,
"Swordante M., Rafalski C.A.,
"SNP Prequency, napidype structure and linkage disciplificient in
elite maize inbred lines.";
elite maize inbred lines.";
Submitted APPR-08021 to the EMBL/Dechank/DORD damages
EMBL, AYO94310; AAM21836.1;
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           Eskaryota, Vizidiplantae, Streptophyra, Entryophyra, Tranheophyta,
Spermatophyra, Magnoliophyta, Liliqusida, Foales, Franeau,
PACON clade, Panicoideae, Andropojoneae, Zea.
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Nammalna, Butheria, Primates, Catarrhini, Hominidar, Homi.
NIHI Taxloseeoé.
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40.4%; Score 19; DB 10; Length 25
Best Local Similarity 42.9%; Pred; No. 8.3+135;
Matches 3; Conservative 3; Mighatches 1; Lothis
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01-MAY 2000 TreMBirel 13, Last seguence updates
01 JUN 2002 (TreMBirel 21, Last annotation update
18 KDa coll growth factor (Fragrant).
Raffus sp.
                                                                                                                                                                                                          SEQÜENCE 9 AA, 977 XW, SCOSELITZCELAAAN CRISE,
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MEDITHE 92010974, PubMed=1656971
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                                                     NCBL_TaxID-4577;
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01-NOV-1996 (TrEMBLEE). C1, Last sequence update)
01-NOV-1998 (TrEMBLEE). C8, Last annotation update)
Mycglobin (Fragment).
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01.NOV-1996 (TIENBLIED DI, Last sequence update)
01.COT-2002 (TIENBLIED DI, Last sequence update)
01.COT-2002 (TIENBLIED DI, Last sequence update)
HEAT Shock protect (Flandment).
HSP26511 OR HSP26602.
Trittoum sestivum (Wheat).
Bukaryota, Viridig lantaco, Streptophyta, Entryophyta, Tracheophyta;
Bukaryota, Viridig lantaco, Streptophyta, Entryophyta, Pracheophyta;
Trittoeae, Trittoum.
NCBI_TAXID=4565;
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Josh: C.P., Kluev N., Nguyen H.F.,
Submitted TAPR 155 to the EMBL/GunBank/DDBJ databases.
EMBL: L415C4 ARA44972.;
EMBL: L415C43; AAA44972.;
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Toxoplasma gondii.
Eukaryota: Alveolata: Apicomplexa: Socoidia; Bimeriida; Salcocystidae;
Toxoplasma.
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STRAIN-RH, CCUGAR TC751034, SEA OTTER TC828G1, and BEVERLEY;
Lehmann T., Elackston C.R., Parmley S.F., Remington J.S., Dubey J.R.,
Strain Typing of Icxoplasma gondii: Comparison of Antigen-Coding and
Housekeeping Genes.;
J. Parasitol. G:0 0(2000).
J. Parasitol. G:0 0(2000).
BMEL, AF249695, AAF79150.1;
EMBL, AF2496991, AAF79150.1;
EMBL, AF2496991, AAF79150.1;
NOW TER
S. B. NOW TER
S. BA, 1035 MW, 33CAAAAC5B133344 CRC64;
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EMBL, 141557, ARBC3333.1; EMBL, 141556, ABRC3333.1; EMBL, 141556, AABRC333.1; EMBL, 141556, AABRC3333.1; EMBL, 141556, AABRC33333.1; EMBL, 141556, AABRC33333.1; EMBL, 141556, AABRC33333.1; EMBL, 141556, AABRC33333.1; EMBL, 141556, AABRC333333.1; EMBL, 141556, AABRC333333.1; EMBL, 141556, AABRC333333.1; EM
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Eukaryota, Viridiplames, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae, Pooideae,
Triticeae, Triticum
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01-OCT-2000 (TrEMBLre), 15, Last sequence update)
01-OCT-2000 (TrEMBLre), 15, Last annotation update)
01-OCT-2000 (TrEMBLre), 15, Last annotation update)
01-Mydrofolate reductase (nymidylate synthase (Fragment)
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01 NOV 1997 (TREMBLE) 1, Lagr seguence update)
01 NOV 1997 (TREMBLE) 24, Lagr sequence update)
Heat shock protein Fragment)
HSPICC OR HSPICA CR HSPICE.
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16.7%; Pred. No. 8.3e+05;
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NEDLINE-96427144; PubMed=8830708;
Sage A.E., Proctor W.D., Phibbs P.V.Dr.,
"A two-component response regulator, glfF, is repured 10: glucose transport activity in Pseudomonas activities PAOL";
U. Bacreriol, 178:6064-6066(1996)
EMBL; US0932; AAC44474.1; ...
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Escudomonadaceae, Pseudomonas.
                                                                                                                                                                                                Curry March 34.0%; Score 15; 08.10; Length 9; Best Local Similarity 60.0%; Pred. No. 8.3e+65; Marches 3; Conservative 2; Maratches 6; Indels
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Methanococcaccae, Methanococcis.
NOFL Jaxib 2189;
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Heat Shock.
NON TER : 1
SEQUENCE 9 AA; 1084 MK; 46580322CAA94203 CR064;
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C1-FEB 1997 (Transcret, C2, Createst)
C1-FEB 1997 (Transcret, C2, Lust britania distributed 2001 (Transcret) 19, Last ameriation uplated but arive gunokinase (Fragments.
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33.3%; Pred. No. 8 3::05;
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Eukaryota, Metazosi Xollusca: Sastropodas Pulmonatas Stylommatophoras
Sigmuretiras Claussiscidea, Claussiliidaes Alopiinae; Albinaria.
NCBL_TaxID-69418;
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MEDLINE=96182181; PutMed.8622700;
MEDLINE=96182181; PutMed.8622700;
MEDLINE=96182181; PutMed.8622700;
Mapping of a leplication crigin within the promoter region of two unlinked, abundantly transmithed actin genes of Physarum polycephalum.";
MOJ. Cell. Biol. 16:368-976(1996).
EMBL, MA3459; AAH(3706.1; ).
MON.TER 8 SEQÜENCE 6 AA, 978-MW; F4C6C2CAAB187316-CRC64;
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Eukaiyota, Mycethura, Myxogaettisi Myxogastiomycetidae, Physatida,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM R.A.
Schilthuren M., Houkstia M.F., Giffenberger E.,
"Selective maintenance of a rare haplotype in a land snail hybrid
zone."
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Pred. No. 8.3e+05;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22.7%, Score 13: DR 5; Length 8; 40.0%; Pred, No. 9.36+05; ative 2; Miscatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Proc. R. Soc. Lond., B. Biol. Sch. 266:2181-2185(1999)
EMBD; AF132316; AAD34286.1;
NON_TER
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01.MAY-2000 (TERRIDO). 33, Created;
01.MAY-2000 (TERRIDO). 13, Last sequence update;
01-0EC 2001 (TERRIDO). 19, Last annotation update;
Calmodulin (Etagment).
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MEDILNG=86213/72, PubMed=2423502,
MeDILNG=86213/72, PubMed=2423502,
MeDILNG=86213/72, PubMed=2423502,
ThorographDility repressor in a hepality replicant of the InvEI
F. ABRIE COLVZ-K94."
M. Bareriol. 166:1136-1112(1986),
EMBL, M13472: AAA23194.1,
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dilve 2; Mishariches 1; Usinis
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61 NCV-1936 (TrbMSLrel, 01, Last sequence applated
61-NCV-1938 (TrbMSLrel, 08, Last Armotation opdated.
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SEQUENCE 8 AA: 998 MW, DEFICSAA 341-00 CROS4;
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D. NOVEN 936 (Tremsele) 61, Last squence update)
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99GB-0004408.
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25-FEB-1999;
25-FEB-1999;
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(c) 1993 - 2003 Compugen Ltd
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                                               Infunctions and vaccine comprising the infunction useful for preventing and treating infectious diseases e.g. malaria and chronic disease e.g. cancer, comprises peptide and carrier from protein ( of influenzae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IGS Clepsilon-2 domain surface exposed epitope pepting F1 ShC IO Noil
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                                                                                                                                             Claim 9; Page 37; 53pp; English
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99GB-0010537.
99GB-0015588.
99GB-0018694.
99GB-0018603.
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2000-572040753
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Best Local Similarity
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29 MAR
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07 MAY
07 AUG
07 AUG
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Mismatches

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The present invention describes a peptide (i) comprising an isolated surface exposed group/epitope (EL) of C-epsilon-2 domain (3) of immunoglobulin E 1921, or its immittee. Associated area (1) an immunoglobulin E 1921, or its immittee. Associated area (1) an immunoglobulin E 1921, or its immittee as a vaccine (11) (2) a vaccine (11) (3) a ligand (1V) comprising (1V) comprising (1V) and peptide (3) a phartaceutinal composition (PC) comprising (1V) (6) an immunoglobulin comprising (1A) and (7) producing (111) by producing (111) (1) can have antial explained release inhibitor. (1), (11) and can be used as a vaccine and histamine release inhibitor. (1), (11) and (111) are useful in medicine and also in the manufacture of medicaments for treating and also in manufacture of medicaments for treating and else in diagnostics and in the affinity purification (2) of circularing and also in diagnostics and in the affinity furification useful for treating and also useful in diagnostics and in the affinity from allergies. (1V) is also useful in diagnostics and or suffering from allergies. (1V) is also useful in diagnostics and or suffering from allergies.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Saps
                                                                  Peptides useful for treating, preventing and ameliorating allergic diseases, comprising an isolated surface exposed group of a specific domain from immunoglobulin {\rm E}^{-}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human: Linkage technology, conjugated compound, carrier vehicle, epitope, Cepsilon?, Cepsilon3; Cepsilon4; imminoglobulin E; IgE mediated disease, antibody response.
 Van Mechelen MP, Vinals De Bassols YC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Peptide F1 derived from Cepsilon2 region of human 1gE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 47; DB 21; 100.0%; Pred. No. 9.3e+05;
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(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.
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                                                                                                                                     Claim 2, Page 5; 129pp; English
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22-AUG-2000) 2000GB-0020707.
22-AUG-2000) 2000GB-0020708.
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Best Local Similarity 100.
Suc. 9, Conservative
Turnell WG,
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                                  WPI; 2000-572073/53
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 Randall R,
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AAU16632
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Claim 4; Page 9; 45pp; English,
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                                                                                                                                                                                                                                                                                                                                                 (first entry)
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Best Local Similarity
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                                                                                                                                                                                             1 EDGCVMDVF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WC230216409 - A2
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                                                                 Seguence
                                                                                               Query Match
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Matches
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AAE35091
ID AAE3
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AC AAE3
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                                                                                                        The present invention relates to linkage mothodology for use in the conjugation of compounds (e.g. petitides) to carrier ventures.

(c.g. macroscientes, polyers, dendrivers, proteins) to produce the colocical and immunological constructs. The invention provides a method for linking an epitope (e.g. a poptible) to a carrier wigh protein) for use in a phatacentriers. The invention describes peptides derived from or minutolical the oppounds or cepsiton? Cepsiton3 or Cepsilon4 regions of human immunolicition E figh whitem are used to produce completed compounds. The invention of the invention of the invention of a peptide epitope, and the invention allows for controlled compounds or controlled compagation of a peptide epitope, antiquel to a protein so as to form an immunogenic configure which may be able to protein so as to form an immunogenic configure which may be able to the asset in the invention may be able to be a protective antibody response in an animal or burnar patient.
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                                EDI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New vaccine comprising allergy paperdes linked by an inert carrier, useful for boosting an anti-allergy immine response in an individual susceptible to an allergic response.
                                an immunogenic conjugate useful irealment of
                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Scort 47; DS 22; Longth 7;
100.0%; Pred No. 9.34-65;
nive 0; M.Smatches 0, Indels
                                                                                                                                                                                                                                                                                                                                                                the Cepsilon2/Cepsilon3/Cepsilon4 region of human 1g8
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                                                                                  Example 4) Page 21, 48pp; English
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 WPI; 2001-521967/57
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Best Local Similarity
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                                                 mediated diseases
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   allergy.
an
                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Immunogen; buran; igE; immunoglobulin E; alleigy; thio-ether linkage;
vaccine; antialleigic;
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of
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   manufacturing a medicament for the prophylaxis or treatment in particular, for boosting an anti-allergy immune response individual susceptible to an allergic response.
                                                                                                                                                                                          Length 9;
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                                                                                                                                                                                                                                                Indels
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                                                                                                                                                                                 / Match 100.0%; Score 47; 78 22; Local Similarity 100.0%; Pred. No. 9.3e+05; les 9; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 9.3e+05;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human IgE immunogenic peptide SEQ ID NO: 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABJ00217 standard, Peptide; 9 AA.
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allergy; atopy
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07-SEP-1999;
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29.OCT-1999;
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Matches
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AAU16648
The invention relates to a method of producing cylutaxic T symphocytes (CTS) apecific for one or more non-tumous self anisper (chilephtopes).

The method involves loading anishen presenting cells (AFS) having class of adjoint stocompatibility complex molecules with the T cell epitopes.

The major histocompatibility complex molecules with the T cell epitopes.

The cells specific for the T cell epitopes. The invention is useful for treating autoincome disease including theoratoid arthinis, production in ephticis, multiple sclenosis, autoinmoune thyroiditis, itsulin dependent disease including theoratoid autoimmune thyroiditis, itsulin dependent disease and transplant rejection and/or altergic asthma and venom altergy. The invention is also useful in cell therapy. The present sequence is beam incumocation in E 1965 High AE peptide centif. This peptide is useful in the invention.
                                                Optotoxic T lymphocyte, CTD, tumour, antiden presenting cell, allergy, lupus, autoimmune disease, rheumatoid arthritis, autoimmune nephritis, psoriasis, APC, multiple sclerosis, autoimmune thyroiditis, hay fever, inflamatory APC, multiple sclerosis, autoimmune thyroiditis, hay fever, inflamatory APC, multiple sclerosis, autoimmune thyroiditis, hay fever, cooking at allorgic thinitis, orall versus host qualeque asthmaturansplant rejection; human; immunoglobulin E, 195.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Epirope, mimorope, human, immunoylobulin E. 195. Chepsilon-2 domain, alleraic disease, immunoprophylaxis, immunotherapy, aniiallerajo, immunosuppressive, vaccine, histamino release inhibitoi, immunogen,
                                                                                                                                                                                                                                                                                                                                                      Producing cytoloxic T lymphocytes for treating 4.9, autormmune diseases, comprises culturing CD8- T cells with antigen presenting cells to activate precursor CD8- T cells specific for T the cell
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                                                                                                                                                                                                                                                                                                       . . western
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            66.0%; Scon. 80; DP 44; Denetry, 100.0%; Pref. No. 9.36+75; ive 0; Mismatches 6; Indels
                        Buman immunoglobulin E (1gE) HLA-A2 peptide motif #23
                                                                                                                                                                                                                                                                                                       Kong Y,
                                                                                                                                                                                                                                                                                                       Sr. v. X.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pluminotope peptide P15s SEQ ID Noil7
                                                                                                                                                                                                                                                                                                                                                                                                                          Example 3; Colurn 48; 49pp; English.
                                                                                                                                                                                                                                                                                                       Peterson PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Z
                                                                                                                                                                                                                                                                            CORTH ? ORTHO-MONEIL PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB25913 Standard, Peptide, 7
                                                                                                                                                                                                                          13-MAY-2002; 2002WC-US15341.
                                                                                                                                                                                                                                                    15 MAY 2001; 2001US-291300P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CS-JAN 2001 (first entry)
28-MAY-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6; Conservative
                                                                                                                                                                                                                                                                                                                                  WPI; 2003 123673711.
                                                                                                                                                                                                                                                                                                      Jackson MR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 * EDGCVM 9
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                                                                                                                                                                     WO200292773 B2
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                                                                                                                                                                                                                                                                                                      Cat Z,
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The present invention describes a poptide (I) comprising an isolated surface exposed group/epitope (EI) of C-epsilon-2 domain (D) of immunogiobiline (1986, or its mimotope. Also described are: (I) an immunogiobiline (1986, or its mimotope. Also described are: (I) an immunogiobiline (II) to treating allergy comprising (I); (2) a vaccire (III) for treating allergy comprising (I); (2) a vaccire (III) for treating allergies composition (PC) comprising (IV); (5) a peptide (Ia) capable of bing recognised by (IV); (6) an immunogen (II) and (II) and (III) and (IIII) and (III) and (III) and (III) and (III) and (III) and (III) a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ö,
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a specific
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Turnell WG, Van Mechelen MP, Vinals De Bassols YC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Peptides useful for treating, preventing and ameliorating diseases, comprising an isolated surface exposed group of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    63.5%; Score 30; DB 21; Length 7; 100.0%; Pred. No. 9.3e+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SMIK) SMITHKLINE BEECHAM BIOLOGICALS. (PEPT-) PEPTIDE THERAPEUTICS LID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 7; Page 35; 129pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Greenwood J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAU16648 standard, Peptide; 7 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     domain from immunoglobulin E -
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99GB-0021046.
99GB-0021047.
99GB-0025619.
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-0010537.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Friede M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2000-572073/53.
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                                                                                            W0200056460.71.
Homo sapiens.
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Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conjugation of compounds (e.g. p-prides) to attiet weblicts

(e.g. macro-sledules, polymers, dendithers, professor to produce
biological and immological constructs. The invention provides a
picture of the series apprides denditor professor to a catter (e.g. a
protein) for use in a pharmaceutical composition or a vaccine. The
invention describes peptides derived from or minotopies of the
Copysitor, Copysion of Cepsion 4 regions of human immunojabilin E
(igE) Which are used to produce conjugated compounds. The compounds or
compositions of the invention are useful in the manifacture of a
methodment for the treatment of ign mediated diseases. The invention
allows for controlled conjugation of a peptide epitope (artisque) to a
protein so as to form an immunogenic conjugate which may be able to
take a procentive antibody response in an inman or human patient.

Che Crestonic Porsilon3/Cepsilon4 regions of numan inclines of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Immunogen; human; IgB; immunoglobulin B; allergy; thio-ether linkage;
vaccine; antiallergio.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           present invention relates to linkage methodology for use in the
                                                                                                                                                                                                                                                                                                                                                                                                                                   an immunogetic conjugate useful treatment of
                                         Homan, linkage technology, conjugated compound, carrier webicle, epitope, Cepsilon2, Cepsilon3, Cepsilon3, immunoglolulin E, IgE mediated disease, antibody response.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ·.
:
            Populde P15s detived as mimotope of Cepsilon2 region of human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Buman IgE imminogenic peptide SEQ ID NO: 11
                                                                                                                                                                                                                                                                                                                         (ACAM+) ACAMBIS RES LID.
(SMIK-) SMITHKLINE BEECHAM BIOLOGICALS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 4: Page 22: 48pp; English
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                                                                                                                                                                                                                                             99GB 003G233.
2000GB-0004096.
2000GB-0020707.
2000GB-0020708.
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Rest Local Similarity 100.
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                               A linkage comprising
mediated diseases
                                                                                                                                                                                                                                                                                                                                                                      Johnson T,
                                                                                                                                                                                                                                                                                                                                                                                                    WFI; 2001-521967757
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                                                                                                                                                     MD200145745 AD
                                                                                                                                                                                                                                             21-DEC-1999,
22-FEB-2000,
22 AUG-2000,
22 AUG-2000,
                                                                                                        sapiens
                                                                                                                                                                                                                21-DEC 2000;
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                                                                                                                                                                                  TOGETHEOUS
                                                                                                                      Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                      Winner M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6 LINSER
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where the conjugate comprises a disulphide bridge cyclised peptide and an immunogenic carrier. The vaccines can be used in the treatment of allergies. The present sequence is a peptide immunogen derived from human immunoglobulin 5 (1981) saltable to be cyclised and used in the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cytotoxic T lymphocyte, CTL, tumour, antigen presenting cell, allergy, lupus; autoimmune disease, rheumatoid arthritis; autoimmune nephritis; psoriasis, APC, multiple sclerosis, autoimmune thyroiditis; hay fever, inflammatory bowel disease; insulin dependent diabetes; cell therapy, crohn's disease; allergic thintis; graft versus host disease; asthma; transplant rejection; human; immunoglobulin E; 1gE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                    Conjugate for use in vactine tol treatment of allergy, comprises disulfide bridge cyclized peptide and immunogenic carrier -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            j.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 30; DB 23; Lengin , Pred. No. 9.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human immunoglobulin B (1gE) HLA-A2 peptide motif #14.
                                                                                                                                                                                                                                                                                                         Vinals Bassols YC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kong Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sh. 1 ...
                                                                                                                                                                                                                     (SMIX.) SMITHKLINE BEECHAM BICLOSICALS (PEDT.) PEPTICE THERAPEUTICS LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              63.8%; Scu.
100.0%; Pre
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                                                                                                                                                                                                                                                                                                      Turnell WG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE35076 standard; peptide; 9 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 4; Page 9: 45pp; English
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                                                                                                                                                                    22-AUG-2880; 200068-8020717.
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                                                                                                             17-AUG-2001; 2001WC-EP09576
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Best Local Similarity Tourk
Best Local Similarity Tourk
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                                                                                                                                                                                                                                                                                                         Mason S,
                                                                                                                                                                                                                                                                                                                                                                WPI; 2002-489648/FI
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WC200216409 A2
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                                                      28-FEH-2002
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The present invention relates to compositions comprising a substance that modulates the status of 1259508 or a molecule that is modulated by 1259508. The status of a cell that expresses 1259508 is modulated. The composition is useful for treating cancer, particularly prostate, bladder, kidney, colon, ovary or breast cancer. The 1259508 protein and/or a molecularle sequence encoding the protein is useful for a molecularly against cancer. The present sequence is a 1259508 epitope shown in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New composition comprising a substance that modulates the status of 125P5C8 gene or a molecule that is modulated by 125P5C8, useful for treating or preventing cancer that expresses or over expresses 125P5C8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human, 125PSCB, cancer, oytostatic, breast cancer, prostate cancer, bladder cancer, kidney cancer, colon cancer, ovarian cancer, epitope
identification of novel luciferase or photoproteins from related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Afar DEH, Raitano AB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 9;
                                                                                                                                       Score 28; DB 23; Length 7; Pred. No. 9.3e+05;
                                                                                                                                                                                  1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                     species. The present sequence is a peptide from 35 kDa subunit of Oplophorus gracilirestris luciferase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 28; DB 23; L
Pred. No. 9.3e+05;
1; Mismatches 3;
                                                                                                                                                                                    1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Jakobovits A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     M, Challita-eid PM, Hubert RS,
son RK, Morrison K, Jakobovits A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 163; 274pp; English.
                                                                                                                                                                                                                                                                                                                                                                                           ABJ12821 standard, Peptide, 9 AA
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                                                                                                                                       59.6%;
71.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human 125P5C8 epitope #1447
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                                                                                                                                                               Best Local Similarity
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ABJ1282
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                                                                                                                                                     The invention relates to a method of producing cytotoxic T lymphocytes (CTEs) specific for one or more non-timent self antigen T cell epitopes. The major histocorpatibility complex misecules with the T cell epitopes. I major histocorpatibility complex mish the T cell epitopes. T cells specific for the T cells with the APCS to activite precision CDB. T cells specific for the T cell spitches. The invention is useful for treating autoimmune nephritis multiple sclerosis, autoimmune nephritis multiple sclerosis, autoimmune hypothitis multiple sclerosis, inflammanche thyroidiis, insulatin dependent diabetes, Coomis disease, inflammanchy bawel disease, or set to exceed as food altergy, hay fever, altergic rhinitis, altergic standard and worm altergy, hay fever, altergic rhinitis, altergic set sections and considered in the invention. This peptide is used in the exemptification of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel secretional luciferase derived time the newpower luminoscent shrimp Oplophorus gracilirostris consists of 1980a and 35 kDa subunits
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Saps
Producing cytotoxic T lymphocytes for treating e.g. autoimmune diseases, comprises culturing CD8- T cells with antigen presenting cells to activate precursor CD8- T cells specific for T the cell
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35 kDa subunit, photoprofein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   63.8%; Score 80; DB 24; Length 9;
100.0%; Pred: No. 9.3e+05;
.ive 0; Mismatches 0; Indels
                                                                                                                    Column 47; 49pp; English
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Matches 6; Conserv
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                                                                                                                    Example 3;
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AAB 15171

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The invention relates to a mathod of producing cytoroxic I lymphocytes (CTES) specific for one or more non-through antigen T cell epitopes. The method involves loading antigen presenting cells (APPS) caving class i major histocompatibility complex notecules with the Tell epitopes, and culturing the CDE+ T cells will the APCS to activate produces CDE+ T cells specific for the T cell upitopes. The invention is useful for treating autoimmune disease including intermatoral arthritis, pacifies, intermine applicits, multiple scherosis, additional typicalitis, multiple scherosis, additional disease, grafit versus host disease and transplant rejection office alleges.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             disease such as food allergy, hay lever, allergic hornitis, allergic astana and venom allergy. The invention is this hard in early therapy. The present sequence is human interpretable in E 1 Jg. Him A2 provide motif. This peptide is used in the exemplification of the invention.
                                                                                                                                                       Optoloxio I lymphocyte: CTD, tumour, antigen presenting cell, allergy, lupus; autoimmune disease, rhoumatoid atthittis, autoimmune impuritis, psorinais, APC, multiple sclerosis, artoimmune inyrinaitis; hay fever; inflammatory bowel disease, insulin dependent distance of therefore included to the formal chan's disease, allergic filmittis; gidfi versus fost disease, asthmaticansplant rejection; human; immunoglobulin E; 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Producting cytotoxic 7 lymphocytes for treating e.g. Autoimmune diseases, comprises culturing CDB. Thelis with antigen presenting cells to activate precursor CDB. Theils specific for Title cell epicopes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      55.3%; Score 26; UB 14; Length 9; 100.0%; Pred, No. 9.34+05; ive 0; Nismatches 0, indels
                                                                                                                      Human immunoglobulin E (IgE) HLA-AD peptide rotif #19
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AAE99101 standard; peptide; 9 AA
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ABG67564
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subject. The method comprises analysing a sample of brain tissue from a subject by 2D electrophoresis to generate a 2D array of Alzhenmer's disease (AD) in a subject by 2D electrophoresis to generate a 2D array of Alzhenmer's disease associated features (ADFs), whose relative abundance correlates with the piesence, absence, stage or severity of AD and comparing the abundance of each feature with the abundance of that chosen feature in brain tissue from persons free from AD. The invention also describes Alzhenmer's disease associated protein isoforms (APPIS) defectable, in brain tissue. The methods and compositions of the invention are useful for the screening developing AD. Or prognosis of AD in a subject, for determining the stage or severity of AD in a subject, for determining the effect of a subject thaving AD. Antibodies capable of binding to ADPIs are useful for treating or preventing AD, and for determining the efficacy of a given treating or preventing AD, and for determining the efficacy of a given treating or preventing AD, and for determining the efficacy of ADPI is treating in the impair ADPI in a subject. ABG68038 represent human ADPI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cytotoxic T lymphocyte, (TL) tumour, antigen presenting cell, allergy,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                         Screening, diagnosis or prognosis of Alzheimer's disease in subject, comprises detecting Alzheimer's disease-associated features or Alzheimer's disease associated protein isoforms in brain tissue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to methods and compositions for the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .
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                                Human, Alzheimer's disease, AD, brain tissue, ADF, ADPI, Alzheimer's disease-associated teature, neuroprotective, Alzheimer's disease-associated protein isoform, nootropic;
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Human ADPI tryptic digest peptide #273
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lupus, autoimmine disease, rheumatoid arthiitis, autoimmine nephritis, psotiasis, APC: multiple sclerosis, autoimmine thyroiditis, hay fever, inflariatory bowel disease, insulin dependent diabetes, cell therapy, cholin's disease, allergic thinitis, exaft versus bost disease, asthmatitangulant rejection; human; immunoglobulin S, 195
                                                                                                                                                                                                                                                               Producing cytotoxic T lymphocytes for treating P.g. autonomeane discases, comprises culturing CD8+ T cells with antigen presenting cells to activate precursor CD8+ T cells specific for T the cell.
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The invention relates to a method of producing cyfolodic; typinocytes of the specific for one or more non-invent self-antigen 1-41 epitopes.

The rectod involves loading antigen presenting cells. APPS Laving class: major historompatibility complex molecules with the Teelis appropriate of the CDB.

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score greater than or equal to the score of the result beam primited,
and is derived by analysis of the total score distribution.
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//ggn2_6/ptodata///pubpaa/BCT_NEW_PUB_PEP.*
//ggn2_6/ptodata///pubpaa/USG0*_PUBCOMB.p-p.*
//ggn2_6/ptodata///pubpaa/USG0*_PUBCOMB.p-p.*
//ggn2_6/ptodata///pubpaa/USG0*_PUBCOMB.p-p.*
//ggn2_6/ptodata///pubpaa/USG0*_RUBCOMB.p-p.*
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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Maximum Match 100%
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Sapop 10.0 , Gapext 6.5
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Match Length
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length: 9
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Perfect score:
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Maximum DB
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Sequence 105, App
Sequence 245, App
Sequence 35, App
Sequence 35, App
Sequence 535, App
Sequence 515, App
Sequence 511, App
Sequence 111, App
Sequence 151, App
Sequence 151, App
Sequence 1607, App
Sequence 25, Appl
Sequence 25, Appl
Sequence 65, Appl
Sequence 60, Appl
Sequence 2178, Appl
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                           Sequence
           Sequence
US-09-780-053-454
US-09-780-053-556
US-09-920-1141
US-09-920-115A-115
US-09-931-375A-105
US-09-931-375A-105
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US-09-931-384-631
US-09-931-384-631
US-09-931-384-631
US-09-931-165-1418
US-09-931-165-1418
US-09-931-165-1189
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US-09-931-165-1189
US-09-931-165-1189
US-10-119-536A-77
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ALIGNMENTS

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Sequence 273, Application US/10082814
Publication No. USC0431858881
Publication No. USC0431858881
GENERAL INFORMATION:
APPLICANT: Birkett, Askley J.
TITLE OF INVENTION: IMMUNOGENIC HBG CHIMER PATICLES STABILIZED WITH AN N-TERMINAL C CURRENT APPLICATION NUMBER: US/10/682,014
CURRENT FILING DATE: 2002-02-22
PRIOR APPLICATION NUMBER: US/10/682,014
PRIOR APPLICATION NUMBER: US/10/682,014
PRIOR APPLICATION NUMBER: US/10/682,014
NUMBER DE SEQ ID NoS: 290
SOFTWARE: Patentin version 3.1
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US-10-372-276-127
Squence 127, Application US/10372076
Squence 127, Application No. US2003198645A1
GENERAL INFORMATION:
SAPPLICANT: Page, Mark
APPLICANT: Priede, Martin
STILE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR TITLE OF INVENTION: CHRONIC HEPATITIS
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Query Match
Best Local Similarity 80.55
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Publication No. 19208301537304
Publication No. 19208301537304
Publicant SPECKE, MARY
APPLICANT STRACKE, MARY
APPLICANT SCHIFFMANN, ELLICIT
APPLICANT MURATA JUN
TITLE OF INVENTION AUTOTAXIN, MOTHETY STIMITATINE BE BENEVE TITLE OF INVENTION AUTOTAXIN, MOTHETY STIMITATINE BENEVE TO SCHIFFMANN (MARCHAIN) AUTOTAXIN MOTHETY STIMITATINE BENEVE TO SOC 4149054
FILE PEFERENCE: 2026 4149054
CUBRENT APPLICATION NUMBER: 07/822,143
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: INGUME, Satisfied
TITLE OF INVENTIVE:
FILE REPERENCE: 206497USO
CORRENT APPLICATION NUMBER: US/09/84L.164
CORRENT APPLICATION NUMBER: US/09/84L.164
CORRENT APPLICATION NUMBER: US/09/84L.164
CORRENT APPLICATION NUMBER: US/09/84L.164
PRICE APPLICATION NUMBER: US/09/84L.164
PRICE APPLICATION NUMBER: US/09/84L.164
PRICE APPLICATION NUMBER: US/09/84L.164
PRICE PRICE SEQ. 10 NOS: 24
NOWTWARE: PRECELLING VERSION 3.1
SEQ. 10 NO. 12
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Us 09-842 164-12
FILE MEREPENCE: 454/87179
CURRENT APPLICATION NUMBER: US/10/372,006
CURRENT FILING DATE: 2003-02-21
FRICE APPLICATION NUMBER: 10/090,299
FRICE FILING DATE: 2005-02-21
FRICE FILING DATE: 2005-02-22
NUMBER: OF SEQ ID NGS: 306
SCFTWARE: Parentin Vetsion 3.2
SECTIONED 27
ENGINE: 9
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) Sequence 12, Application US/09842164

) Patent No. US20020102687A1
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Pest Lacel Similarry 71.43
Marches 5: Lacervalive
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US 10 372-076-127
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PRIOR FILLY DATE: 1992-1114

PRIOR FILLY DATE: 1992-1124

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46.8%; Score 22; DB 12; Length 9; 100.0%; Pred. No. 5.88+05; Live 0; Mismatches 0; Indels
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        PRIOR FILING DATE: 1997-07-30
PRIOR PAPLICATION NUMBER: 60/064,234
PRIOR PLILNG DATE: 1997-07-30
PRIOR FILING DATE: 1997-07-30
PRIOR PAPLICATION NUMBER: 60/054,218
PRIOR PAPLICATION NUMBER: 60/054,218
PRIOR PELLNG DATE: 1997-07-30
PRIOR FILING DATE: 1997-07-30
PRIOR PELLNG DATE: 1997-07-30
PRIOR PELLNG DATE: 1997-07-30
PRIOR APPLICATION NUMBER: 60/054,213
PRIOR PELLNG DATE: 1997-07-30
PRIOR FILING DATE: 1997-08-18
PRIOR PELLNG DATE: 1997-08-19
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Publication No. US20030199683A1
GENERAL INFORMATION:
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SEQ 1D NO 263
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Blaschuk, Crest W.
APPLICANT: Branchek, James Matthew
APPLICANT: GOUT, Labbara J.
APPLICANT: CONTROL OF CONT
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                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Representative cyclic modulating abent based on confer infoRMATION: cadherin-8 cell adhesion recognition sequence US-10-006 869-1617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            46.8%; Scott 22; CB 15; Lyngth 7; 66.7%; Pred No. 5,80+05;
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Squarce 263
Squarce 263
Squarce 263, Application US/10160162
Squarce 263, Application US/10160162
Scheral INFORMATION:
Scheral INFORMATION:
TITLE OF INVENTION: 83 Human Secreted Filter REERENCE: PZ012P2
CURRENT APPLICATION NUMBER: US/10/160,162
CURRENT ALING DATE: 2002-06-04
PRICE APPLICATION NUMBER: 09/296,558
PRICE APPLICATION NUMBER: 09/296,559
PRICE FILING DATE: 1999-01-26
PRICE FILING DATE: 1999-01-26
PRICE FILING DATE: 1998-07-29
PRICE FILING DATE: 1908-07-29
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CURRENT FILING DATE: 2001-12-03 NUMBER OF SEQ 1D NOS: 4062 SEQ 20TWARE: Patentin Ver. 2.0 SEQ 1D NO 1617
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CROAKIEM: ARTIFICIAL Sequence
                                                                                                                                                                                                                                                                                 ORGANISM: Artificial Sequence
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Best Local Similarity 66.7
Matches 4, Conservative
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                                                                                                                                                                                                                                             TYPE: PRT
                                                                                                                                                                                                                                                                                                                                  FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Daniel E.H. Afar
APPLICANT: Paniel E.H. Afar
APPLICANT: Planiel E.H. Afar
APPLICANT: Planiel E.H. Afar
APPLICANT: Slana Lovin
APPLICANT: Aya Uskobovits
ITLLE OF INVENTION: 81F564: A TISSUE SPECIFIC PROTEIN
ITLLE OF INVENTION: 81F564: A TISSUE SPECIFIC PROTEIN
APPLICANT: Aya Uskobovits
ITLLE OF INVENTION: 81F564: A TISSUE SPECIFIC PROTEIN
APPLICATION WUMBER: US/39/180.053
CURRENT APPLICATION NUMBER: US/39/180.053
CORRENT FILING DATE: 2000-02-09
KUMBER OF SEQ ID NUMBER: 2000-02-09
KUMBER OF SEQ ID NUMBER: 2000-02-09
KUMBER OF SEQ ID NUMBER: AND STATE
SEQ ID NO 57
LENGTH: 9
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| Paten No. US20201026404|
| GENERAL INFORMATION:
| APPLICANT: Rene S. Hubert |
| APPLICANT: Pla M. Challita-Eid |
| APPLICANT: Pla M. Challita-Eid |
| APPLICANT: Fary Fars |
| APPLICANT: Eday Fars |
| APPLICANT: Eday Fars |
| APPLICANT: Stove Chappel| Mitchel| APPLICANT: Stove Chappel| Mitchel| APPLICANT: Stove Chappel| Mitchel| AFPLICANT: Stove Chappel| Mitchel| AFPLICANT: Stove Chappel| Mitchel| AFPLICANT: Myd-Jaxobouls |
| ATILL OF INVENTION: HIGHLY EXPRESSED IN PROSTATE CANCER |
| TITLE OF INVENTION: HIGHLY EXPRESSED IN PROSTATE CANCER |
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Best Local Similarity 100.0%; Pred. No. 5.8e+05;
Matches 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 21: DB 11; Length B;
pred: No. 5.8e+05;
3: Mismatches C; Indels
    PRIOR APPLICATION NUMBER: US 63/248,434
PRIOR FLING DATE: 2000-11.14
PRIOR PLING DATE: 2000-11.14
PRIOR PELING DATE: 2000-12.2;
PRIOR PELING DATE: 2000-12.2;
PRIOR FLING DATE: 2001-64-10;
NUMBER OF SEQ 15 NOS: 46
SSOFTWARE: Patentin Version: 3.7;
SEQ 15 NO 28
JENGTH: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , Sequence 57, Application US/09/80053;
patent No. US20020108640Al
; GENERAL INFORMATION:
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50.08;
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CRGANISM: Homo Sapiens
US-09-780-053-57
                                                                                                                                                                                                                                                                                                                                                                                                           ) TYPE: PRT
; CRGANISM: homo saptens
US-09-993-180-29
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Best Local Similarity
Matches 3, Conserv
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US-09-780-053-142
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US-09-780-053-57
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US-09-991-180 20
7 Sequence 28, Application US/09993180
7 Sequence 28, Application US/09993180
7 Sequence 28, Application US-09993180
7 Bublication No. US20330054445A1
7 GENERAL INFORMATION: DOLYNUCLEOTIDE ENTORING A NOVEL BITACH SECRETED FROM LYMPHO
7 TITLE OF INVENTION: CELLS, LSI-01
7 TITLE OF INVENTION: CELLS, LSI-01
7 TITLE OF INVENTION: UNBER: US/09/2014;4
7 CURRENT APPLICATION NUMBER: US/09/2014;4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query March 46.8%; Socr. 25; DB 12; Legith 5: Best Local Similarity 100.0%; Prod. No. 5.88+05; Marches 4; Conservative 0; Mismatches 5; Indias
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           46.8%; Scott 28; L8 15; Length 9; 66.7%; Pred, No. 5.8e+25; Paritye 1; Miscatches 1; Edeby
PRICE FILING DATE: 1997-67-30
FRICE APPLICATION NUMBER: 60/054,210
FRICE FILING DATE: 1997-07-30
FRICE FILING DATE: 1997-07-30
FRICE FILING DATE: 1997-67-30
FRICE APPLICATION NUMBER: 60/054,210
FRICE FILING DATE: 1997-67-30
FRICE APPLICATION NUMBER: 60/054,210
FRICE FILING DATE: 1997-07-30
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ORGANISM: Attificial Sequence
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ORGANISM. Homo sapiens
US 19-820-649-263
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Matches 4: Community
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US 10-806-869 1626
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US 09-780-053 253

Sequence 253, Application US/09780053,
Bescui no 182,0020-02640A1

GENERAL INFORMATION:
APPLICANT: Rene 5. Hubert
APPLICANT: Rene 18. Hubert
APPLICANT: Pla M. Challita-Eid
APPLICANT: Pla M. Challita-Eid
APPLICANT: Bland Found
APPLICANT: Steve Chappell Mitchell
APPLICANT: Steve Chappell
APPLICANT: Steve Chappell
APPLICANT: Steve Chappell
APPLICANT: AND APPLICATION
APPLICATION NUMBER: 6018; 261
APPLICATION CHAPPEL 6018; 261
APPLICATION CHAPPEL 6018; 261
APPLICATION CHAPPEL 6018; 261
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Parent No. USSC020:02640A1
SERVERAL INCORATION
APPLICANT: Daniel E.H. Afar
APPLICANT: Daniel E.H. Afar
APPLICANT: Pla M. Challita-Bid
APPLICANT: Pla Mary Faris
APPLICANT: Sheve Chappell Mitchell
APPLICANT: Sheve Chappell Mitchell
APPLICANT: Ayd Jakobouts
APPLICANT: Ayd Jakobouts
APPLICANT: Mary Bla564: A TISSUE SPETIFIT FROTEIN
TITLE OF INVENTION: B19564: A TISSUE SPETIFIT FROTEIN
FILE REFERSANCE: 120.505C1
                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.0%; Pred Mr. 5.86-65;
Matches 4; Conservative 0; Minmatches 0; Libris
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FILE REFERENCE: 129.50801
CTRRENT APPLICATION NUMBER: US/09/780,053
CTRRENT FILING DATE: 2001-02-09
PRIOR AFELICATION NUMBER: 60/181,261
PRIOR FILING DATE: 2000-02-09
NUMBER OF SEQ ID NOS: 716
SCHWARRE: PASISEQ for Windows Version 4.0
SEQ ID NO 142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEC ID NAS: 716
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4) Conservative
                                                                                                                                                                                                                                                 7YPE: PRT
. CRSANISM: Homo Sapiens
18 00-780 053-142
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Us-09 (4) 451 253
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Best Local Similarity
Matches 4, Conserv
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US-09-780-053-434
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CURRENT APPLICATION NUMBER: US/09/780,053
CURRENT FILING DATE: 2001-02-09
PRIOR FILING DATE: 2001-02-09
PRIOR FILING DATE: 2001-02-09
NUMBER OF SEQ ID NOS: 716
SEQ ID NO 434
LENGTH: 9
TYPE: FRT
CONGAN: SM: Homo Sapiens
CS-03-780-053-434
CHENGTH: 9
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Sequence Patent No.

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Score 28; DB 4; Length 7;
Pred. No. 2.5e+05;
1; Mismatches 1; Indels
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Sequence 12, Application US/09942164A

Parent No. 6544754

GENERAL INFORMATION:

APPLICANT INCOME, SATOSHI

FILE RETERENCE: 206491USO

CURRENT APPLICATION NUMBER: US/09/842.164A

CURRENT FILING DATE: 2001.04-26

PRIOR APPLICATION NUMBER: US/09/842.164A

CURRENT FILING DATE: 2000 34-26

NUMBER OF SEQ ID NOS: 40

SOSTWARE: PATENTIN VETSION 3.1
US-C8 980-357-36
US-C9-460-384-13
US-C9-460-220-17
US-C9-180-220-17
US-C9-180-2405
US-C9-180-2405
US-C9-180-2403
US-C9-180-20-30
US-C9-160-20-30
US-C9-160-20-
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               59.68;
71.48;
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Matches 5, Conservative
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U.S.A.
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     CMUMACO
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        SEQ ID NO 12
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STATE:
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ORGANISM:
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Sequence 1623, Ap
Sequence 1623, Ap
Sequence 1626, Ap
Sequence 1626, Ap
Sequence 5, Appl.
Sequence 5, Appl.
Sequence 26, Appl.
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36, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pred, No. 1s the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the intal score distinction
                                                                                                                                                                                 November 5, 2003, 17,12,59 ; Sharon 17me 21 Shoonds (without alignments) 18,133 Million cell updarws/sec
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/ogn2_6/prodata/1/:nav8a_CM3.pop:-
/ogn2_6/prodata/1/:nav8a_CM3.pop:-
/ogn2_6/prodata/1/:nav8e_CM3.pop:-
/ogn2_6/prodata/1/:nav8e_CM3.pop:-
                              GenCore version 5.1.6
(c) 1993 2003 Compagen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-00-49 - RITH 4 | US-00-49 - RITH 4 | US-08 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US 09-842 164A 12
US-09-34A 49-P 43
US-08-377 22-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cotal number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  328717 segs, 42310858 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Post processing: Minimum Natch 1008
Maximum Match 1008
Listing first 45 summaries
                                                                                                                                    protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                      ALOSUM62
Gapop 10.0 , Gapext 0 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Issued Patents_AA:*
                                                                                                                                                                                                                                                                                      US-09 914:088-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query
Match Dength
                                                                                                                                                                                                                                                                                                                                                    e dvamveca :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        seq length: C
seq length: 9
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Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                         Scoring table:
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Maximide DB s
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patent No. 6417338
| Patent No. 6417338
| GENERAL INCARATION WARY
| APPLICANT: STRACKE, WARY
| APPLICANT: STRACKE, WARY
| APPLICANT: STRACKE, WARY
| APPLICANT: STRACKE, MANCE
| APPLICANT: STRACKE, MANCE
| APPLICANT: STRACKE, MENNY
| APPLICANT: KRITZE, HENRY
| APPLICANT: KRITZE, HENRY
| APPLICANT: WARATA, HENRY
| APPLICANT: WARATA, HENRY
| TITLE OF INVENTION: CANCER DIAGNOSIS AND THERAPY
| TITLE OF INVENTION WARBER: US/09/483, 83.1B
| CURRENT FILING DATE: 1992-01-17
| PRIOR FILING DATE: 1994-05-25
| PRIOR FILING DATE: 1994-05-25
| PRIOR APPLICATION WABER: 08/346,455
| PRIOR FILING DATE: 1994-05-25
| PRIOR PILING DATE: 1997-11-24
| WABER OF SED ID NCS: 70
| SEQ ID NO 47
| LENGTH: BATCH OF THE OFFICE O
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 23, DB 3; Length 8;
Pred. No. 2.5e+05;
i: Mismatches 0; Indels
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/146,455
FILING DATE: 28 NOV-1994
PRIOR APPLICATION NUMBER: 08/249,182
FILING DATE: 25-MAY 1994
PRIOR APPLICATION NUMBER: 07/822,043
FILING DATE: 17-5AM-1992
ATTORNEY AGENT INFORMATION: NAME: DESCRIPT S. AJTH NECESTRATION NUMBER: 36,434
REFERENCE/SOCKET NUMBER: 2026-4149US3
TELECOMMUNICATION INFORMATION: 751-6849
INFORMATION FOR SEQ ID NO: 47: SEGENCE SEGENC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            48.9%;
80.0%;
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Best Local Similarity 80.0
The At Conseivative
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DENTIFICATION METHOD:

) OTHER INFORMATION:

US-98-977-221-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acids
STRANDECNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Peptide
No
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3 GOVMD 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DESCRIPTION:
HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 4
US:09-463 831B-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ઠે
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Patent No. 609408.

CENERAL INFORMATION:
APPLICANT: UNITSD STATES OF AMEPINAL CHAIT
APPLICANT: UNITSD STATES OF AMEPINAL
TITLE OF INVENTION: MCTLLITY STINULATING
TITLE OF INVENTION: PROTEIN USERIA: N CANER DIAGRAMM AND
TITLE OF INVENTION: THERAPY
WINNER OF SEQUENCES: 69
CORRESPONDENCE ADORESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Parch Similarity 80.0%; Pred. No. 2.54-00; Conservative 1; Mismatches 0; Indels the balls of the conservative 1; Mismatches 0; Indels of the conservative 1; Mismatches 0; Mismatches 
                                                                                                                                                                     AFPLICATION DAIR
CURRENT AFFLICATION DAIR
CLASSIFICATION
FULNO DATE: 28.NOV-1994
CLASSIFICATION S90
PULNO DATE: 28.NOV-1994
CLASSIFICATION NUMBER: PCT/US95/56613
FULNO CATE: 24.MAY-1995
PRIDE APPLICATION DATA: D6/249,182
FULNO DATE: 25.MAY-1994
FULNO DATE: 25.MAY-1994
FULNO DATE: 15.MAY-1994
FULNO DATE: 17.MAY-1994
FULNO CATE: 17.MAY-1994
FULNO CATE: 17.MAY-1994
FULNO CATE: 17.MAY-1994
FULNO CATE: 17.MAY-1997
ATTS-WEST-TRAILON NUMBER: 36.434
RESISTRATION NUMBER: 36.434
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: NEW YORK
STATE: NEW YORK
COMPUTEN: U.S.A.
ZIP: 10154
COMPUTER READABLE FORM:
WEDIUM TYPE: Bloppy Disk
COMPUTER: 199 PC COMPATIBLE
OFFRATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WOTGPE-fect 5.1
CURRENT APPLICATION DATA:
APPLICATION, WUMBER: US/08/977, 221
FILING DATE.
                   (PERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WordPerfect 5.1 CUPRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: MCHOAN & FINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: Amino acide
STAMDEDNESS: Single
TYPALOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IDENTIFICATION NETHODS: CTHER INFORMATION: US (08-346-4558-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Peptide
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3:00TWD 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESTLT 3
US-08 977-221 47
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Best Local Si
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Indels
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                                                                                                                                                                                                     Sequence 26, Application US/06447010
Patent No. 5770718
GENERAL INFORMATION:
APPLICANT: WOFFATT, BARBARA
TITLE OF INVENTION: GENE FOR FRUY PLANT TISSUE
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADGRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE. Fatestin Release #1.5, Version #1.25
CURRENT APPLICATION DATA;
PRESIDENT ON NUMBER: US/08/447,010
FILING DATE: 22-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION: 536
PRILING DATE: 27-MAY-1995
CLASSIFICATION: 536
PRILING DATE: 27-MPR-1994
CCASSIFICATION: 536
PRIOR APPLICATION: 536
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    Mismatches
                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Sim & McBurney
STREET: 330 University Avenue, Suite 701
                                                                                                                                                                                                                                                                                                                                                                                           STREET: 330 University Avenue, Sui CITY: Coronto STATE: Ontario COUNTRY: Canada ZIP: MSG 1R7 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible COMPUTER: IBM PC COMPUTER: SYSTEM: PC-DOS/MS-DGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIPTION 1536
ATTORNEY/AGENT INFORMATION:
NAME: STEWART; MICHAEL I
REGISTRATION NUMBER: 24,973
REFERENCE/JOCKET NUMBER: 14,973
RELEFORMUNICATION:
TELEFORMUNICATION:
TELEFORMUNICATION:
TELEFORMUNICATION:
TELEFORMUNICATION:
TELEFORMUNICATION:
TELEFORMUNICATION:
TELEFORMUNICATION:
SEQUENCE CRARACTERISTICS:
LENGTH: RATIO ACIGS
LENGTH: RATIO ACIGS
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Patent No. 5703057
GENERAL INFORMATION:
APPLICANT: Lai, Wayne C.
APPLICANT: Lai, Wayne C.
APPLICANT: Johnston, Stephen A.
  à
  4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: # amino acids
TYFE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
                                                 3 GCVMD 7
                                                                            3 GQLMD 7
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                                                                                                                                                                                      JS-08-447-010-26
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    Matches
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                                                                                                                   0
                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: STRACKE, MARY; LIOTTA, LANCE,
APPLICANT: SCHIFFMANN, BLLIGTT; KRUTZSCH,
APPLICANT: SCHIFFMANN, BLLIGTT; KRUTZSCH,
APPLICANT: HENRY; MURATA, JUN
TILLE OF INVENTION: MOTILITY STIMULATING
TITLE OF INVENTION: THERAPY
NUMBER OF SEQUENCES: 69
CORRESPONDENCE AUGUSTS:
                                                                  Coery Match

Rest Cocal Similarity 80.0%; Pred. No. 2.56+05;

Matches 4; Conservative 1; Mismatches 6; Infels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 23, [8 %, Length #1
Pred, No. 2.56+0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: DORCHY R. ANTE
REGISTRATION YMBER: 36,434
REFERENCE/DOTHER NURBE: 2026-41417.
RELECTION: 1000-100.
TELECTION: (212) 758-460
TELEGRANICATION: 251-6849
INFORMATION FOR SED ID NO: 47:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SCHWARE. WordPerfect 5.1
SCHWARE. WordPerfect 5.1
CURRENT APPLICATION DATA.
APPLICATION WOMBRE PCT/US95/66(1)
FILING DATE. D4-MAY-1995
CLASSIPICATION.
BRIGH APPLICATION WOMBRE: 08/346,455
FILING DATE: 28-MOV-1994
PRICK APPLICATION NUMBER: 08/249,180
FILING CATE: 26-MAY-1994
PRICK APPLICATION NUMBER: 08/249,180
FILING CATE: 25-MAY-1994
PRICK APPLICATION NUMBER: 07/822,043
FILING CATE: 15-MAY-1994
PRICK APPLICATION NUMBER: 07/822,043
FILING DATE: 17-MAN-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                   THOUSUB-06613-47
Sequence 47, Application PC/TUS9506614
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: IBM FC compatible
OFFRATING SYSTEM: PC-00S/MS-50S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: MCSGAN & FINNEGAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       48.9%;
80.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  345 PARK AVENUE
NEW YORK
CINER INFORMATION: Peptide US-09 483-8318-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: ATX-216
LOCATION:
LOCATION:
LOCATION
CONTENTINGCATION:
CONTENT INFORMATION:
PCT (1895-06613-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acids
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DESCRIPTION: leptide
HYPOTHETICAL: No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chery Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STATE: NEW YORK COUNTRY: U.S.A. ZIP: 10154
                                                                                                                                                                                             3 GOLMO 3
                                                                                                                                                                GOVAD 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE:
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Gaps

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Saps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          / Match 46.3%; Score 22; DB 2; Jength 6; Local Similarity 100.0%; Pred: No. 2.5e+05; es 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 77213

COMPUTER READABLE FORM:
MEDIUM TYPE: Florgy disk
MEDIUM TYPE: Florgy disk
COMPUTER: IBW PC compatible
COMPUTER: IBW PC compatible
SOFTWARE: PRICH! Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/001,157
THES DATE: Concurrently Herewith.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INCOGNATION:
APPLICANT: Johnston, Stephen A.
APPLICANT: Barry, Michael A.
APPLICANT: Lat, Wayne C.
TITLE OF INVENTION: EXPRESSION LIBRARY IMMUNIZATION
NUMBER OF SEQUENCES: 9
CCRESPONDENCE ADDRESS:
ADDRESSE: ANDIG, White A Durkee
STREET: P.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Kitchell, Barbara S.
REGISTRATION NUMBER: 33,928
RETERENCE/DOCKET NUMBER: UTXD:529
TELECHONGINICATION: INFORMATION:
TELEPHONE: 512/418-3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIF CATION
FRIOR APPLICATION
APPLICATION NATA:
APPLICATION NUMBER: US 58/421,155
FILING DATE: 07.ARR 1995
ATTORNEY/AGENT INFORMATION:
             APPLICATION NUMBER: 07/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-001-157-8
; Sequence 8, Application US/09001157
; Patent No. 5989553
                                                                                                                                    NAME: Svoboda, Craig G.
REGISTRATION NIMBER: 39,044
REBERENCE/DOCKET NUMBER: 9071
TELECOMMUNICATION INFORMATICA:
TELEPHONE: 650/255:489
TELEFAX: 650/352-9881
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CERRACTER:STICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 60.0
Matches 3, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFCRMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         512/474 7577
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Amino Acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Linear
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STATE: Texas
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EDGQ 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3 EDGO 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
TOPOLOGY:
US-08-232-539D-26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      JS-09-001-157-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
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Matches
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                                                                                                                                                                                                                                                                                                                                                              COMPUTER READELE FORM.
WEDLOW TYPE: Floppy disk
COMPUTER: ISM FC COTDAILE.
OPERATIONS VSTEW. PC COSYMS. D.S.
SCFTAMRE: PAICHTE Release #1.04, Tottston #1.50
CORRENT APPLICATION DATA.
APPLICATION NUMBER: US/08/421,705
FILING DATA.
ATTORNEY/AGENT IMPORMATION.
ANG. NICHOLL, BATABAR S.
RECISTRATION NUMBER: 31,928
REFERENCE/OMCKIT NUMBER: 31,928
RECISTRATION NUMBER: 31,928
REFERENCE/OMCHING NUMBER: 31,928
RECISTRATION NUMBER: 31,938
RECISTRATION NUMBE
TITLE OF INVENTION: Expression Library Immunization NUMBER OF SEQUENCES: 8
CCRRESPONDENCE ADDRESS:
ADDRESSEE: Annold, White & Durkee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER PERSABLE FORM:
NEDIUM TYPE: 3.5 inch, 1.44 Mb fluggy disk
COMPUTER: 18M PC compatible
OPERATING SYSTEM: PC-DOS/MS-UCB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: AIRPAIN (Generated)
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/232,5190
ELING DATE: 21-Apr.1994
CLASSIFICATION: 530
PRICE APPLICATION: DATA:
APPLICATION NUMBER: 08/178583
FISING DATE: 07-CAN-1994
FRICE AFPLICYTICN DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APFILTANT: Prest a, Leonard G.
AFFILTANT: Gratter, Paula M.
TITIE OF INVENTION: 19E Antageniers
NUMBER OF SECUENCES: 60
CORRESPONDENCE ADDRESS:
AFFRESSE: Genericch, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: Galifornia
                                                                                                                                                                                                                          CITY: Houston
STATE: Texas
CCM:TWY: United States of America
ZIP: 97210
                                                                                                                                    E: Arnold, White & Durkee
P.C. Pox 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-68-212-5392 26

- Sequence 26, Application US/082325145

- Patient No. 5965709

- General Information.
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Bost Local Similarity 60.0
Matches 3, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: Invar
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           S GCVMD 3
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ZIP: 9406
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2 GQTLD 6
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ZIP: 48334
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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APPLICANT: Blaschuk, Orest W.
APPLICANT: Baschuk, James Matthew
APPLICANT: Gymends, James Matthew
APPLICANT: Gour, James Watthew
APPLICANT: Gour, James Watthew
APPLICANT: Gour, James Watthew
TITLE CF INVENTION: COMPOUNDS AND METICONS FOR MODIFATING NOT APPLICATION COMPOUNDS
TITLE CF INVENTION: CAMPERING MODIFATIONS
TITLE REPERRICE: 10:386.40701
CURRENT FILMS GATE: 2001:44.20
NUMBER OF SEC 15 No. 34.52.0
SUFTWARE: PATENTIC VET. 2.0
                                                                                                                                                                                                       SENERAL INFORMATION.
APPLICANT: Blaschik, Orest W.
APPLICANT: Blaschik, Orest W.
APPLICANT: GOOD, SAFEARA J.
TITLE OF INVENTION: COMPENS AND METHODS FOR MORCHATING MININASSICAL
TITLE OF INVENTION: CAMBERIAN MELIAPED FUNTIONS
FILE REPRESSOR: LOUNGE 4070;
CURRENT PRILING DATE: 1998/11-06
NUMBER OF SEQ 10 NOS: 4052
SOFTWARE PATENTIN OFF. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CTHER INFORMATION: Representative cyclic moditating agent based on a CHER INFORMATION: Cadherin-8 cell adhesin reconstitution switcher US 19-187-859 1617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CTHER INFORMATION: Representative cyclic modulating local based on DTHER INFORMATION: cadherin-8 cell adhesion recognition sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          46.8%; Score 22; 18.4; Length ?)
66.7%; Pred. No. 2.5e+0s;
utive 1; Mismatches 1; ind-1s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             46.8%; Score 22; 78.4; Length ti
66.7%; Pred Not Liberth;
ative I; Mismatches I; Loberts
                                                                                                                                        CS-09-187 H59-1617
/ Sequence 1617, Application US/09187849A
/ Fatent No. 6358920
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     i no a39-8408-1617
Sequence 1617, Application US/69839-428
Patent No. 6569996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  : Sequence 6, App.104110n US/08421155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Attitional Sequence PEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Attificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Guery Match
Best Local Similarity 66.7
Matches 4, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Rest Local Similarity 66.7
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4 CVMDVD 9
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                              2 GOIDE 6
GOVIND 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        CIO NO 1617
ENGTH: 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: SMT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: FRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 12
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Sequence 20, Application US/28571985
Patent No. 5783557
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Trainin, Nathan
APPLICANT: Trainin, Nathan:
APPLICANT: Trainin, Nathan:
APPLICANT: Rycue, Avigall
APPLICANT: Trainin, Nathan:
APPLICANT: Trainin, Nathan:
APPLICANT: Trainin, Nathan:
APPLICANT: Trainin, Nathan:
ANDERS SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSE: Kohn & Associates
| Patent No. 573355 | GENERAL INFORMATION: | APPLICANT: Barry, Michael A. | APPLICANT: Lai, Wayne C. | APPLICANT: Lai, Michael Correspondence ADDRESSE: ADDRESSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 22, DB 1, Length 8, Pred, No. 2.5e+05, N. Mismatches 0, Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSE: Kohn & Associates
STREET: 10500 No. 57835575hwestern Hwy., Suite 410
CITY: Farmington Hills
STATE: Michigan
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MELLIUM TYPE: Floppy disk
COMPUTER: 1BM PC COMPATIBLE
CPERATING SYSTEM: PC-DOS/MS-10S
SOFTWARE: Patentin Release #1.0, Version #1.30
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION UNABER: US/CR/421,135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DCS/MS-DCS
SOFT-MARE: Patentin Release #1.5, Version #1.25
CURRENT APPLICATION DATA.
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FR: UTSD:411/KIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE: Texas
COUNTRY: United States of America
ZIP: 77210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION:
TELEBHONE: (5.2) 4.8-3000
TELEFAX: (713) 789-2679
TELEX: 79-5924
INFORMATION FOR SEQ 10 NO: 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Kitchell, Barbara S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          46.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER: 33, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3: Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: peptide
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STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
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MEDIUM TYPE: Floppy disk
COMPUTER: 18M PC compatible
CPERATING SYSTEM: PC-DOS/NS-DGS
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US-09 116-766-20
Sequence 20, Application US/09116766
Parent No. 5968898
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TELEFAX: (248) 439 5055
INFORMATION FOR SEQ ID NO. 20
SEQUENCE CHARACTERISTICS:
                                       46.8%;
                                                                                                                                      3; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8 amino acids
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39: linear
                                  Query Match
Best Local Similarity
Matches 3; Conserv
                                                                                                                                                                                                                               1 EDGQVWD 7
                                                                                                                                                                                                                                                                                                                        2 ODGDITE 8
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COUNTRY 1SA
ZIP FOLD: 3-925

COMMITTER SEALABLE FORM:
MEDICA TYPE Coppy 31:8X
COMMITTER THE WOOMFALLS FORMS:
COMMITTER PAIGNIFF POLOGYMS:
COMMITTER PAIGN
                   FILING DATE:

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REGISTRATION WIMBER: 34,475
REGERENCE/COCKET NUMBER: 30436 (#187);
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1445-1140
APPLICATION NUMBER: US/08/571,985
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SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
TCPCLOGY: linear
NOLECTIES TYPE: peptide
US 08 977-985 20
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MOLECUVE TYPE: peptide
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STATE: CA
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O
                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION.
APPLICANT: Burstein, Yigai
APPLICANT: Train: Nathan
APPLICANT: Train: Nathan
APPLICANT: Ryous, Avigail
TITLE OF INVENTION: THF-gamma2 Analogs and Pharmaceutical
TITLE OF INVENTION: Compositions Comprising Them
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ALDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
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  Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Kohn & Associates
STREET: 30500 No. 5968898thwestern Hwy., Suite 410
CITY: Farmington Hills
STATE: Michigan
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/116,766
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
46.8%; Score 22; DB 2; Le
Best Local Similarity 100.0%; Pred. No. 2.5e+05;
Matches 4; Conservative 0; Mismatches 0;
Score 22; DB 1; I
Pred. No. 2.5e+05;
                                                 2; Mismaiches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFCATION:
PRICE APPLICATION CATA:
PRICE APPLICATION UNDER:
FILING DATE: 0, JUL-199;
ATTORNEY/AGENT INFORMATION:
NAME: Montgomery, Ilene N
RASISTRATION NUMBER: 38,972
REFERENCE/DOCKET NUMBER: 2163:0050
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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TYPE: PRT
ORGANISM:
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                                                                                                                                                                                                                                                                   5, 2003, 15:18:15) ; Search time 8 (4375 Seconds (without allocaments) 47.34; Million cell updates/sec
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                                    GenCore version 5.1.6
(c) 1993 - 2003 Compugen Ltd.
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Maximum Match 100%
Listing first 45 summittes

    protein search, using sw model

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Gapop 10.0 , Gapext 0.5
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Maximum DB
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Sequence:
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No.
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APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS FILLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS FILE OF INVENTION: NUMBER: US/09/252,991A
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILLING DATE: 1999-02-18
PRIOR FILLING DATE: 1998-02-18
PRIOR FILLING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
NUMBER OF SEQ. ID NOS: 33142
SEQ. ID NO 17209
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                                    Sequence 2, Appl. Sequence 705. Appl. Sequence 705. Appl. Sequence 2, Appl. Sequence 643. Appl. Sequence 3440. Appl. Sequence 643. Appl. Sequence 
                                                                                                                                                                                                                                                                                                                    Sequence 6466. Applequence 5486. Applequence 30. Applequence 30. Applequence 46. Applequence 46. Applequence 46. Applequence 33. Applequence 5278. Applequence 6278. Applequence 6278. Applequence 6278. Applequence 6278.
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Best Local Similarity 65,7%; Pred. No. 1.2e+02;
Matches 6; Conservative 1; Mismatches 0; Indels
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0.5-09-205-008-2
0.5-09-206-115-2
0.5-09-107-515-3
0.5-09-107-515-3
0.5-09-107-515-3
0.5-09-107-515-3
0.5-09-107-515-3
0.5-09-107-515-4
0.5-09-107-512A-6466
0.5-09-107-512A-6278
0.5-09-107-512A-6278
0.5-09-107-512A-6278
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Sequence 17209, Application US/092k2991A
Patent No. 6551795
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ) ORGANISM: Acinetobauter baumannii
US-09-328-352-7128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Pseudomonas aeruginosa 109-252-991A-17208
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           COVMDVD 9
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Sequence 2215, Application US/39252991A
| APPLICATION | MULDICATION | MUCHAIC ACID SEQUENCES RELATING TO PSEUDOWONAS | TITLE OF INVENTION | APRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS | TITLE OF INVENTION | ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS | TITLE OF INVENTION | ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS | GURRENT PAPLICATION NUMBER: US 60/074,788 | PRIOR FILING DATE: 1999-02-18 | PRIOR FILING DATE: 1999-02-18 | PRIOR FILING DATE: 1998-07-27 | SECOND NUMBER: US 60/054,196 | PRIOR FILING DATE: 1998-07-27 | SECOND NUMBER: US 60/054,196 | MURDICATION NUMBER: US 60/054,196 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; CTHER INFORMATION: Deduced amino acid sequence of SEQ ID NO:11 US-09-427-700:12
                        Patent No. 53.7249
| Patent No. 53.7249
| GENERAL INFORMATION:
| APPLICANT: Articancer |
| APPLICANT: Articancer |
| APPLICANT: Articancer |
| APPLICANT: AND METHOD AND MODEL FOR HAIR PIGMENTATION |
| ITTLE REFRENCE: 312.6-25017.03 |
| FILE REFRENT APPLICATION NUMBER: US/09/427,703 |
| CURRENT RILING DATE: 1599 15-27 |
| PRICOR APPLICATION NUMBER: US 60/105,725 |
| PRICOR FILING DATE: 1998-10.27 |
| NUMBER OF SEQ ID NGS: 12 |
| SOFTWARE: FastSEQ for Windows Version 4.0 |
| SEQ ID NJ 12 |
| LENGTH: 273 |
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ouery Match 68.1%; Score 52; DB 4; Length 273. Best Local Similarity 100.0%; Pred. No. 16-02; Matches 6; Conservative 0; Mismatches 0; Indels
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TITLE OF INVENTION: Human Genes, Sequences and
TITLE OF INVENTION: Expression Products
NUMBER OF SEQUENCES: 2
CCREEGEPONDENCES: ADDRESS:
ADDRESSEE. CARRELA, BYRNE, RAIN, GILFILIAN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 7
US-08-705-771-2;
Sequence 21, Application US/08705771;
Parent No. 6094289;
GENERAL INFORMATION:
   Sequence 12, Application US/39427700
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US-09-252-391A-22215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence
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Best Local Similarity 66.7
Matches 6, Conservative
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Fatert No. 6462958
Garent No. 6462958
Garent No. 6462958
GAREAL INFORMATION
TITLE OF INVENTION NUCLEIC ACID AND AMINO ACID SEQUENCES SELATING TO ACINETCBACTER
TITLE OF INVENTION NUCLEIC ACID AND AMINO ACID SEQUENCES SELATING TO ACINETCBACTER
TITLE OF INVENTION NUMBER: US/09/329.
CURRENT APPLICATION NUMBER: US/09/329.
CURRENT PILLNG DATE: 1999-06-04
NUMBER OF SEC ID NOS: 9252
ISMO ID NO 6122
IERGIH: 948
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                                  Gaps
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1 - LOCATION: (695). (696)
- CTHER INFORMATION: Any amino acids can be at these two prestions
US:09-396-651R-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Matton 70.2%; Source 33; E8 4; Lettern 144; Frest Local Similarity 50.0%; Pref. No. 1. Actob. 2; Mattones 4; Conservative 4; Mismatones 3; Indials
                                  1::de] s
   Pred. No. 1.2e+02;
1; Mismatches 0;
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Fateur No. 6225076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OPGANISM: Adiretobacter baumannin
US-09-328-352-6123
   85.78;
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ORGANISM: Thermus aquatious
Rest Local Similarity 85.7
Matches 6, Conservative
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                                                                                                                                                    194 GÖLMƏVE 200
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                                                                                                6 GVCMVCD 8
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18 09-396-6518 2
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LENGTH: 1119
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US 09 427:700 12
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Gaps
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100.08; Pred. No. 1.6e+22;
ive 0; Mismatches 0; Indels
                                                               APPLICATION NUMBER: 641,617
FILING DATE: January 16, 1991
PRIOR APPLICATION DATE: 717,899
APPLICATION NUMBER: 717,899
ATTORNEY/ADCNT INFORMATION:
NAME: Ealluin, Albert P.
REGISTRATION NUMBER: 25,227
RECKOMINICATION: NUMBER: 25,227
RECKOMINICATION: 1415, 654,366
TELEPHONE: (415, 654,3694
TELEFAX: (614, PERN: 6
TELEFAX: (615, 654,3694
TELEFAX: (614, PERN: 6
TELEFAX: (614, PERN: 6
TELEFX: (614, P
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ZIP: 94025
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Patent No. 552990
GENERAL INFORMATION:
APPLICANT: Della Cioppa, GNY
APPLICANT: Winsqai, Monto
TITLE CF INVENTION: PROTEIN FUSION ENGINEER OF SEQUENCES: 9
CORRESPONDENCE ALDERSS: 9
CORRESPONDENCE ALDERSS: 9
CORRESPONDENCE ALDERSS: 8
STREET: 2730 Sand Hill Road
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APPLICATION NUMBER: 7/857,602
FILING DATE: March 30, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 600,244
FILING DATE: OCCODER 22, 1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 641,617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ouery Match
Best Local Similarity 100.
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STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
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US-08-152-483B 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cuery Match
Best Local Similarity 66.7%; Pred. No. 1.564.02;
Matches 6: Conservative 1; Mismatches 2: Indels
                                                                                                                                                                                                                                          ZIP: C7268
COMPUTER READABLE FORM.
MODIUS TYPE
COMPUTER: 18. SINCH DISKETTE
COMPUTER: 18. PS/2
CURRENT APPLICATION DATE: WORD PREEDT 5.1
CURRENT APPLICATION DATE: WORD PREEDT 5.1
CURRENT APPLICATION NUMBER: 13. 1996
CLASSIFIATION NUMBER: 33.03
REGISTRATION SOFT NUMBER: 32.05
TELECOMMUTICATION INFORMATION:
SEQUENCE: 19. NO. 2.1:
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 3, Application US/OB1524838
Fatent No. 552950
CEMBRAL INFORMATION:
FAPELICANT: Della-Choppa, Guy
APELICANT: Kamagai, Monto
TITLE CE INVENTION: TYROSINASE-ATTUATCR
TITLE CF INVENTION: PROTEIN FUSI: N BRZEME
NUMBER OF SEQUENTS: 9
CORRESSEE: 1-Annie & Edmends
STREET: 2730 Sand Hill Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/152,4838
FILING DATE: No. 5529938mber: [2, 19)1
CLASSITCATION: 435
PRICE APPLICATION SATA:
APPLICATION NUMBER: 77657,602
APPLICATION NUMBER: 77657,602
PRICE APPLICATION NUMBER: 920,1992
PRICE APPLICATION DATA:
APPLICATION NUMBER: 923,692
FILING DATE: UNLY 31, 1992
PRICE APPLICATION NUMBER: 923,692
FILING DATE: UNLY 31, 1992
          STEWART & OLSTRIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CONDUTER READABLE FORM:

NEDLUM TYPE: Floppy disk
CONFUTER: Elab PC Compatible
CONFUTER: SYSTEM: PC-005/MS-DOS
SOFTWARE: Perent in Release #1.0,
SOFTWARE: Person #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/152,4838
FILING DATE: NO. 5529909ember 12,1
ADDRESSEE: CECCHI, STEWART STREET: 6 BECKER FARM ROAD CITY: ROSELAND STATE: NEW JERSEY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         : 394 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ) MOLECULE TYPE: protein US-08 705-771-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 2230 Sand H
CITY: Menlo Fark
STATE: California
COLNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9 80000,8080 17
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US-08-152-4838-3
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Gaps
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                                                                                     APPLICATION NUMBER; 923,692
FILING DATE: July 31, 1992
PRIOR DATE: July 31, 1992
PRIOR PEDITORTION GATA: PEDITORTION NUMBER: 600,244
FILING DATE: October 22, 1995
PRIOR DATE: October 22, 1995
PRIOR DATE: Canuary 16, 1991
FILING DATE: Canuary 16, 1991
ATTORNEY/AGENT INFORMATION: ATTORNEY/AGENT INFORMATION: TELEPHONE (415) 854-3660
TELEPHONE: (415) 854-3660
TELEPHONE: GALL PENNIE
INFORMATION FOR SED 1D NO: 9: SEQUENCE: CANUAR ENDINE C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ouery Match
Best Local Similarity 100.0%; Prod. No. 1.96+02; Matches 6; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: SCHLESEL, C. Richard
APPLICANT: JERSON, A. Pennett
APPLICANT: JERSON, A. Pennett
APPLICANT: JERSON, B. D. Je
TITLE CF INVENTION: RAPILLOMAVIRUS VACCINES
NUMBER OF SECTINCES: 2
CCRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. Hox 1404
CITY: ALEXANDIA A
CONTRY: United States
ZIP: Z2313-1404
COMPUTER REACABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 7/857,602
FILING DATE: March 30, 1992
PRICR APPLICATION DATA: APPLICATION NUMBER: 923,692
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DESCRIPTION DESCRIPTION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
STRANDEDNESS: sin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       316 DAYOON 321
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DESCRIPTION: D: HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IMMEDIATE SOURCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORIGINAL SOURCE:
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                Patent No. $420 PM
Patentani Patent No. 10
Patentani Patent No. 10
TITLE OF INVENTION: PROTEIN FUSION EMANYE
NUMBER OF EXCHANGES;
ADDRESSER: Pennie & Edmonds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER FRADARIE FORM:
WEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATED
OFFRADE: PRIOR FOR COMPATED
OFFRADE: PRIOR IN Release #1 0,
SOFTWARE: PRIOR IN RElease #1 0,
SOFTWARE: VORSION #1.25
CHRENT APPLICATION DATA:
FILING DATE: NO. 5529909ember: 2, 1991
CHASSIETCATION 435
HEIGH APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pennie & Edmonds
2730 Sand Hill Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DESCRIPTION: protein
HYPOTHETICAL: NO
  APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 0130 Sand F
CLTY: Mento Park
STATE: California
CCINTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Circular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NODECTURE TYPE:
TESCRIPTION:
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US 08-152 4818-3
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Gaps · 0

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GENERAL INFORMATION:
APPLICANT: Marc G. RUBERLIEI det al.
APPLICANT: Marc G. RUBERLIEI det al.
TITLE OF INVENTION: ALENGIN CAS FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: ALENGIN CAS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US,69/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US,60/074,788
PRIOR PLING DATE: 1998-02-18
PRIOR PLING DATE: 1998-02-18
PRIOR FILING DATE: 1998-07-13
NUMBER OF SEQ ID NOS: 33142
SEQ ID NOS: 33142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    68.1%; Score 32; CB 4; Length 1357; 85.7%; Pred. No. 6.1e+02; 1. Mismatches 0; Indels
                    68.1%; Score 32; DB 4; Length 508;
62.5%; Pred. No. 2e+02;
Live 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Fischer et al.
TITLE OF INVENTION: 123 Human Secreted Proteins
FILE REFERENCE: PZ010P1
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TALE METALOTION NUMBER: US/C9/22,357
CURRENT FILING DATE: 1999 01 06
BARLIER FILING DATE: 1999 01 06
BARLIER FILING DATE: 1999 02 06
BARLIER FILING DATE: 1997-07-08
BARLIER APPLICATION NUMBER: 60/051,926
BARLIER APPLICATION NUMBER: 60/051,926
BARLIER APPLICATION NUMBER: 60/051,925
BARLIER APPLICATION NUMBER: 60/051,925
BARLIER APPLICATION NUMBER: 60/051,929
BARLIER APPLICATION NUMBER: 60/051,929
BARLIER APPLICATION NUMBER: 60/051,929
BARLIER FILING DATE: 1997-07-08
                                                                                                                                                                                                                                                                                          , Sequence 21308, Application US/09252991A ; Patent No. 6551795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 635, Application US/09227357
Patent No. 6342581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT ORGANISM: Pseudomonas aeruginosa US-09-252-391A-21309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 85.77
Matches 6; Conservative
Query Match
Best Local Similarity 62.5
Best Local Similarity 52.5
                                                                                                                                                   200 EDGDWMDI 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   603 GVVVDVD 609
                                                                                                                       1 EDGOVMDV 8
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US-09-252 991A-21308
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: STRENGEL, C. RICHARD
APPLICANT: JERNSTN, A. Becnett
APPLICANT: OHIM, SNID-Je
TITLE OF TWEWTHIN: PAPILLOMAVIRUS VACCINES
NUMBER OF SECUENCES: 2
CORRESPONDENCE AUGRESS:
ADDRESSEE: HOUNS, DOANE, SWECKER & MATHIE
STREET: P.O. BOX 1404
CITY: Alexandina
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Y.smatches
                         FILING DATE: 02-0CT-1995
ATTCANRY/AGENT INFORMATION:
NAME: Teekin, Robin D.
RASTSUFFATION NUMBER: 25,030
REFERENCY/DOCKET NUMBER: 210091-315
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFARE (70): 836-6620
TELEFARE (70): 836-5021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER REALABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Fr PC compatible
DPERATING NESSEM: PC-DOS/NS-D:
SOFTWARE: Patentin Release #1., 10.00
CORRENT APPLICATION DATA:
PLILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 08/724,281
APPLICATION NUMBER: 08/724,281
FILING DATE:
ATTICKNEY/ADENT: NECRMATION:
NAME: TESKIT, ROBID L.
REGISTATION NUMBER: 35,336
REFERENCE/COCKET NUMBER: 01039:01-
TELECONNUMICATION: INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 12
US-09-134-377 1
Sequence 1, Application US/09134377
Patent No. 6485724
GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: (703) 836-6620
TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 508 amino acids
                                                                                                                                                                                                                                       TELEFAX: (703: 836-2021
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                      LENGTH: 508 amino acids TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STACE: Virginia
COUNTRY: United States
ZIF: 22313-1404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Erst Local Similarity 62.5
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
STRANDEDNESS: single
TCPCLOSY: limeat
WOLECUE TYPE: protein
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MODECULE TYPE: protein
CLASSIFICATION: 424
PRICE APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          200 EDGRMMÖ: 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 EDGÇVMDV 8
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67.0%; Score 31.5; DB 2; Length 232;
76.0%; Pred. No. 1e+02;
tive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                               OURTHING AND COMPACTED OF SERVING AND OFFICE OFFICE
ADDRESSEE: Incyte Pharmaceuticals, inc.
STREET: 3174 Porter Drive
CITY: Paio Airo
STATE: CA
COUNTRY: USA
ZIP: 9436ASIE FORM:
WEDIUM TYPE: Diskette
COMPUTER FRAGASIE FORM:
WEDIUM TYPE: Diskette
COMPUTER: Diskette
COMPUTER: Diskette
COMPUTER: Diskette
COMPUTER: Diskette
CORPUTER: Diskette
CORPUTER: Diskette
COENATING SYSTEM: DOS
SOFTWARRE: FASLNEC FOR WINDOWS VEISION 2.0
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amino acid
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INFORMATION FOR SEQ (D NO)
SEQUENCE CHARACTER(STICS)
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Best Local Similarity 76.0
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Sequence 1, Application US/C8773915;
Factor, No. 6847691
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: GOLI, Surya A
TITLE OF INVENTION: NOVEL HUMAN APPLICANT:
TITLE OF INVENTION: ULATOR
NOSHER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
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PARLIEM FILING DATE: 1997-07-08
DARLIEM FILING DATE: 1997-07-08
DARLIEM FILING DATE: 1997-07-08
FARLIEM PRIME AND STATE: 1997-07-08
EARLIEM APPLICATION NUMBER: 60/052,735
EARLIEM FILING CATE: 1997-07-08
EARLIEM FILING CATE: 1997-07-08
EARLIEM FILING CATE: 1997-07-08
BARLIEM FILING CATE: 1997-07-08
BARLIEM APPLICATION NUMBER: 60/051,728
BARLIEM APPLICATION NUMBER: 60/051,728
BARLIEM APPLICATION NUMBER: 60/055,748
BARLIEM APPLICATION NUMBER: 60/055,748
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BARLIEM APPLICATION NUMBER: 60/055,748
BARLIEM FILING CATE: 1997-08-18
BARLIEM FILING DATE: 1997-08-18
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Matches 7: Conservative
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30 32 68.1 95 2 140330 Cpn10 pz 31 32 68.1 98 2 A37397 hypother 32 32 68.1 12.2 H64350 hypother 34 32 68.1 173 2 T24207 hypother 34 32 68.1 126 2 A97340 ABC-type 35 32 68.1 240 2 S61872 hypother 36 32 68.1 240 2 S61872 hypother 37 32 68.1 240 2 A87340 ABC-type 38 32 68.1 344 2 A83610 mypother 39 32 68.1 314 2 A83610 mypother	32 68.1 339 2 32 68.1 398 2 32 68.1 4.21 2 32 68.1 4.21 2 32 68.1 4.21 2 32 68.1 5.01 .	ALIGNMENTS	RESULT : 136948 17 and Or Chair . Chimparate (frankers)	C.Species: Pan troglodytes (chimpanzee) C.Date: 04-Oct 1996 #sequence_revision 04-Oct-1996 #text_change 21 C.Accession: 136948 R.Sakoyama, Y.; Hong, K.	Proc. Nat., Acad. Sch. U.S.A. 84, 1080-1084, 1987 Proc. Nat. Acad. Sch. U.S.A. 84, 1080-1084, 1987 A;Ritle: Nuclectide sequences of immunoglobulin epsilon genes of ci A;Reference number: 136948; MUID:8747196; PMID:3103123 A;Accession: 136948 A;Status: preliminary; translated from GB/EMBL/DDBJ A;Molecule type: DNA	A, Mesidues: 1-426 x855 A, Cross-references: GR:M15398; NID;g176797; FIDN:AAA35416.1; FID:g C, Genetics: A, Introns: 103/1, 203/1; 317/1 C, Superfamily: immunoqibulin C region; immunogibulin homology F)336-405/Jomain: immunoqibulin homology < FMM>	Query Match 100.0%; Score 47; DB 2; Length 426; Best Local Similarity 100.0%; Pred; No. 0.26; Matches 9; Conservative 0; Mismatches 0; Indels 0	Cy 1 EDGOWRUD 3 	RESULT 2 EHHU Ig epsilon chain C region - human C;Species: Homo sapiens (man) C;Species: Homo sapiens (man) C;Dates: 31 Mart 1981 #sequence revision 13-Jun-1983 #text_change 16 C;baces and application 13-Jun-1983 #text_change 16 C;baces and application 13-Jun-1983 #text_change 16	n epsilon head	A,Molecule type: DNA A,Molecule type: DNA A,Residues: 1-428 «FLA A,Cross-references: GB:L00022, GB:L00227, GB:V00555; NID:g185035 A,Cross-references: GB:L00022, GB:L00227, GB:V00555; NID:g185035 B;Ueda: S.; Nakai, S.; Nishida, Y.; Hisajima, H.; Honjo, T. EMBO J. 1, 1539-1544, 1982 A,Title: Long terminal repeat-like elements flank a human immunogli A,Reference number: A23195; MUID:84207910; PMID:6327276 A,Accession: A23195 A,Accession: A23195 A,Accession: A23195 A,Accession: A23195 A,Accession: A23195 A,Cross-references: GB:L05222; NID:g184755 B,Zhang, K.; Saxon, A.; Max, E.E.
GenCore version 5.1.6 Copyright (c) 1993 2003 Compound Ltd. OM protein - profer search, using sw model Run on: Movember 5, 2003, 15:18:11, Scarch time 7.14:75 Seconds (without alignments)	E 65 C	segs, 96168682	Total number of hits satisfying chosen parameters. 283304 Minimum DB seq length: 0	r.p.ocessing: Minimum Match 0 Maximum Match 1 Listing first 4	Catabase : PIS 36:* 2. Diff:* 3: Diffs:* 4: Diffs:*	F 70	Score Match Cength DB ID	47 100,0 426 2 136 47 100,0 428 1 EHH 38 46 9 118 6 G94 76 76,6 480 2 746 74,6 655 2 087	35 74.5 198 2 58.391 3 55 74.5 2 56.916 3 35 74.5 846 2 A.12336 3 35 74.5 1275 2 T49362 3 35 74.5 1275 2 T4580 3 37 74.5 1275 2 T4580 3 3 74.5 13055 2 T1580	2 14 72.3 264 2 890555 1 24 72.3 266 2 069272 5 34 72.3 561 2 G94244 6 34 72.3 841 2 J0064	18 34 72.3 1379 2 \$64603 \$775 \$775 \$75 20 33 70.2 289 2 2530e 40.4 10.55 40.6 40.4 10.6 59.7 21 33 70.2 287 2 13.5 40.6 40.6 40.6 40.6 40.6 40.6 50.7 50.

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equences of immunoglobulin epsilon genes of chimpanzee and orangu:
36948; MUID:87147196; PMID:3103123
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sequence_revision 04-Oct-1996 #text_change 21-Jan-2000
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Hobalin C region: immunoglobulin homology
unoglobulin homology < IMM>
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repeat-like elements flank a human immunoglobulin epsilon pseudo 3195, MCID:84207910; PMID:6327276

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A, Experimental source: B cell myeloma U. 266
Myote: sequence extracted from NGBI backbone (NCBIP:125299)
A, Accession: A46536
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C,Supertamily: tat ribossmal protein L26
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A;Residues: 1-118 <ST:>
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                                           A,Title: Two uniseal forms of human immunoglobulin E encoded by alternative RNA splicing
A,Reference number: PH1214, MUID:92308839, PMID:1613456
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Apreference number: 802438; MUID:88085554; PMID: 4121389
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B. Keridese (GAWTC, 6, X1,8-16, 18, 18 43, 18, 45 52,55 92,55 92,57 121,78 121,78 1223,717,113

B. Keridese (GAWTC, 6, X1,8-16,78 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 100,18 
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A/Molecule type: DNA

A/Residues: 1.356/LL.360-428 (MAX)

A/Cross-references: GB-000222; NID:9184755

A/Cross-references: GB-000222; NID:9184755

A/Cross-reference difference may be due to polymorphism

8/Bennich, H.H.; Johansson, S.G.O.; Von Hahr-Lindstrom, H.

In Empediate Hypersensitivity: Modern Concepts and Developments, Rach, M.K., ed., I

A/Rocession: A94418
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A/Residues: 1.428 <SENA
A/Crossidues: 1.428 <SENA
A/Crossidues: URIJO0022, GB:J00227/ GH:VCSSS: NIC: (185 ) O
S.Max, E.E.; Battry, C. Ney, R.; Kirsch, I.R.; Leder, F.
Cull 29, A31:699, 1982
A/Crille: Jupiccation and deletion in the lumin immunosible undersign genes.
A/Reference number: A90824; MUID:83001945; PMID:6289268
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AjResidues: 320-428 «Zülz»
AjResperiental scurce: myeloma U266-derived rel. Inch %F .
AjNothe: sequence extracted from NCBI backbore in biklistic, n'HHFL141702
AjHollman, L.
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A)Molecule type: mRNA
A)Residuace; 382-426 Ammely
A)Gross references: 08-855273; NID:gde tiet; PilMinAABL44A (1), FILHgu63167
A)Experimental source: B cell myeloma (1266)
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AyCtoss-references (G8:S55276; NIO:gd8316#, PidN:AAEL440# in Filoja+41M9
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A,Title: Characterization of four novel opsiles, chain "Sub-A,Reference number: A46536, MJID:93122785, PMID:9413146.
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8/Zhang, Kir Max, B.F./ Cheab, H.K./ Sixkol. A

A.Title: Chem. 26: 4.6 %62, 1999

A.Title: Complex alternative RNA spirits; 7 from the A/Reference numbers Artifle; MUD: 941(7.5%; 801) million.
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AiMolecule type: "RNA
    Med. 176, 233-243, 1992
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Cjacession G94122
Fing, W.V.; Kenredy, S.P.; Manairas, G.G.; Perquist, B.; Pan, M.; Shukla, H.D.; Dasky,
Fing, W.V.; Kenredy, S.P.; Manairas, G.G.; Perquist, B.; Pan, M.; Maddocks, D.G.; Jabl
Jung, K.H.; Alam, M.; Freitas, T.
Jung, K.H.; Alam, M.; Freitas, T.
Proc. Natl. Acad. Sci. D.S.A. 97, 12176 12181, 2000
AyAuthors Hou, S.; Dannels, C.J.; Dornis, P.P.; Omer, A.D.; Ebhardt, H.; Lowe, T.M.; I.
A;Reference number: Asife; XIID:20504483; PMID:11016950
A;Reference number: Asife; XIID:20504483; PMID:11016950
A;Status: pre:Immids;
A;Mologule Type; DNA
                                                                                                                                                                                                                                                                                                                                                                                  A,Map position: 14932.33 14922.33
A,Introns: 1/1; 104/1; 211/1; 319/1
C/Complex: An Immunoglobulin beneficierramer subunit consists of two identical light (kaland disulfide bonds: In some cases, such as 1gA and 1gM, the subunits associate into 1 C/Superfamily: immunoglobulin C region; immunoglobulin homology
C/Keywords: alternative splicing; duplication; glycoprotein; heterotetramer; immunoglob
F/22-87/Domain: immunoglobulin homology < IM.>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       F)129-195/Domain: immunoglobulin homo.ogy <:M2>
F)222-301/Domain: immunoglobulin homo.ogy <:M3>
F)28-407/Domain: immunoglobulin homo.ogy <:M3>
F)38-407/Domain: immunoglobulin homo.ogy <:M4>
F)44/Disulfide bonds: interchain (to light chain) #status predicted
F)15-105-29-85,135-193,239-239,345-4065/Disulfide bonds: #status predicted
F)21,49,99,146,252,275/Binding site: carbohydrate (Asn) (covalent) #status experimental
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C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          50S ribosomal protein 124P [imported] - Halobacterium sp. NRC-1
C.Species: Hajobacterium sp. NRC 1
C.Date: 02.Feb.2001 #sequence_revision 02-Feb-2001 #text_change 16-Feb-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   hypothetical protein TibKN-160 - Arabidopsis thaliana
CySpecies: Arabidopsis thaliana incise ear cress.
CyDate: 04 FPD-2000 #sequence_revision 04-Feb-2000 #text_change 04-Feb-2000
CyAccession: TAGGT
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                                                                            A,Residues: 401-428 <HE).
A,Cross-references: 38.853497; NID:gD69162; PIDN:AA824855.1; FID:g263163
A,Experimental source: B cell myeloma 0.266
A,Note: sequence extraored from NC81 backbone (NC81P:123483)
C,Genetics:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 47; DB 1; Length 428; 100.0%; Pred. No. 0.26; O. 1ndels
A)Status: preliminary, not compared with conceptual translation
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Pypothetical protein MTH462 - Methanobacterium thermoautotrophicum (strain Delta H) Cispecies: Methanobacterium thermoautotrophicum (Species: Methanobacterium thermoautotrophicum Cispecies: Methanobacterium thermoautotrophicum Cispecies: Methanobacterium thermoautotrophicum Cispecies: Methanobacterium thermoautotrophicum Cispecies: Methanobacterium thermoautotrophicum Delta H: Cispecies: Methanobacterium thermoautotrophicum Delta H: func A; Cispecies: Methanobacterium thermoautotrophicum Delta H: func A; Methanobacterium thermoautotrophicum Delta H: Pipigz6215 A; Methanobacterium thermoautotrophicum Delta H: Methanobacterium Delta H
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Cyspecies: Nostoc sp. PCC 7120
Cyspecies: Nostoc sp. PCC 7120
Cyspecies: Nostoc sp. ptCC 7120
Cyspecies: Nostoc sp. strain PCC 7120
Cyspecies: 14-70-2001 #sequence_revision 14-70-2001 #text_change 09-Dec-2002
Cyspecies: 14-70-2001 #sequence_revision 14-70-2001 #text_change 09-Dec-2002
Cyspecies: Nakamura, Y.; Wolk, C.P.; Kuritz, T.; Sasamoto, S.; Watanabe, A.; Iriguch Nakamaki, N.; Shingo, S.; Sujiroto, M.; Takazawa, M.; Yamada, M.; Yasuda, M.; Tabata, C.A. Article: C.P.Jet Silv, C.C.
Article: C.P.Jet Silv, C.D.
Article: 
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A,Cross-references: GE:BAD20019; PIDM:BA375947.1; PID:g17133383; GSFD3:GN00179
A,Experimental source: strain PCC 7120
C,Genetics:
                                       Length 198;
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CiSpecies: Meurospora crassa
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                                       74.5%; Score 35; DB 2;
44.4%; Pred. No. 23;
                                                                                                                                                 W.smatches
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Best Local Similarity 66.7
Matches 6, Conservative
                            Query Match
Best Local Similarity 44.4
Matches 4, Conservative
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Matches 5, Conservative
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C.M.: Quant, M.: Rajandream, M.A.: Rutherford, V.M.: Critcher, V.; Rashar, D.; Chillin
C.M.: Quant, M.: Rajandream, M.A.: Rutherford, R.Y.: Vintivet, A.; Whitehead, S.; Barrel
Nature 403, 665-668, 2000
A.Title: The genome soguence of the food-barne pithogen, engylobacter jeginn reveals hyp
A.Reference number: A91250; MUID:20150212; PMID:10688204
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RyRinger, N., Gabel, C., Mueller-Auer, S., Schanfer, M., Zipp, M., Xewes, H.K., Lemcke, submitted to the Protein Sequence Database, January 2007
AjReference number: 223015
AjAccession: T46047
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CyGenetics:
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Giste: 31-Mari2000 #sequence_revision 31-Mar 2000 #text chinge 03 Jun-2002
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A,Cross-references: Ge.AL139075, GB.ALIII\FF, KIII.q+9-7-7-7
A,Experimental source: serotype O2, Stain N°F7 IIIF8
                                                                                                                                                                                   A.Accession: T46047
A.Status: profinantary
A.Status: profinantary
A.Status: L480 (RIB)
A.Residues: 1480 (RIB)
A.Cross-references: EMBL:AL132965
A.Experinental source: cultivar Columbia; EAT clane Tiekt
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Best [Ober Simi]hity 75.55
Best [Ober Simi]hity 75.55
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A/Introns: 420/2, 451/3
A/Note: T16K5.160
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A, Status: preliminary
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AjStatus: preliminaly
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hypochetical protein F1991.9 (imported) - Arabidopsis thaliana cyssecies: Arabidopsis thaliana (mouse-ear cress) C.Species: Arabidopsis thaliana (mouse-ear cress) C.Accession: 036631 C.Species: Arabidopsis, A.) Ecker, J.R., Palm, C.C., Pederspiel, N.A., Kaul, S., White, C., Alons Chin, C.W., Chun, C.W., Chung, M.K., Conn, L., Conway, A.B., Conway, A.B., Creasy, T.H., Dewar, K. ansen, N.F., Hugher, B., Huzar, L., Chun, C., Markin, S., Khaykin, E., Kim, C.A., Li, J.H., J., Y., Lin, X., Liu, S.A., Luros, J.S., Khaykin, E., Kim, C.A., Li, J.H., Li, Y., Lin, X., Liu, S.A., Luros, J.S., Markin, R., Marziall Rizzo, M., Rochey, T., Rowley, D., Sakano, H.
A.Authors: Salzberg, S.L., Schwartz, J.R., Shinn, P., Southwick, A.M., Sun, H., Tallon ker, M., Wu, C., Tu, Y., Wu, C., C., Y., V., V., V., Wu, C., Marziall Ker, M., Wu, C., Y., Wu, C., Y., Wu, C., Wholeville Lyge: D.M.
A.Reference number: A86141; Mulbizloff19, PMID:1113012 Arabidopsis.
A.Reference number: AR6141; Mulbizloff19, PMID:1113012 Arabidopsis.
A.Reference number: AR6141; Mulbizloff19, PMID:1113012 Arabidopsis.
A.Reference number: C.D.A.
A.Reference number: AR6141; Mulbizloff19, PMID:1113012 Arabidopsis.
L.; Hyman, R.W.; Jones, T.
Science 293, 668-672, 2001
A; Authors: Kahn, D.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lelaurrehbors: Kahn, D.; Kalin, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lelaurrehbault, P.; Vandenbol, M.; Vornolter, F.J.; Weidner, S.; Wells, D.H.; Wong, K.; Yeh, P. A; Title: The composite genome of the legume symbiont Sinorhizobium meilloti.
A; Reference number: A96.99, MUID:21368234; PMID:11474104
A; Contents: annotation
A; Generics:
A; Generics:
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AjModecule type: DNA
AjModecule type: DNA
AjRostudes: 1-264 «KXXX»
AjCross-references: GB:AL445566; FID:gi4089599; PIDN:CAC13359.1; GSPDB:GN3C153
AjExperimental source: strain UAB CTIP
AjGenetics:
AjGene: MYPU_1860
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CjGenetics:
AjGene: F13F21.9
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36.
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62.5%; Pred. No.
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Best Local Similarity 62.5%.
Thes 5; Conservative
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Best Local Similarity 55.6
Matches 5, Conservative
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Alficss-references: BMED-U00554; NID-U485191; PID-U485191; IIINVAAA-071511; CESP:KO7E12.
Albxperimental source: strain Bristol N2
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A.Introne: 46/3: 85/0, 201/1; 278/2; 409/0, 8.0/i; 920/., 46/3: 155/1; 152/1; 1478/3:
; 6014/3: 6159/1; 665/2; 7266/3; 789/73; 8669/4: 8725/4; 746/73; 10337/3; 12234/2: 1225
        CiDate: C2 Jun-2000 #sequence_revision 02 Jun-2000 #text charje C2 Jun-2000
CyAccossion: F49362
Rischulte, D. (49362 V.) Hohe:Sel, J.) Bidndi. P., Farimann, B., Holland, R., Nyakatura,
submitted to the Protein Sequence Darabse, May 2000
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55.6% Pred. N. 1995.
11VB 47 Midel Fred.
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Alsoldecule type: DNA
Alessiduss: 1-155 4STB.
Alessiduss: 1-155 4STB.
Alcoss-reteriors: BMB:AL385927; GSHUB:GNOTITE; NOSPUBID: 11-17
Algorimental source: BAG Clone BIDI; strain G874A
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66.7%; Prod. No. 1.90-62; Venatches 1; Index.
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Heat Iocal Similar 'y 55...
Sp. Conservative
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Best Local Similarity 66.7
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Ajdene: NOSP:BIDI::EU
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A;Introns: 24/3
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A,Molecule hype: DNA
A,Residues: 1-206 kKLS>
A,Cross-references: GB:AE001093, GB:AE000782; KID:qD66541-, PIDN:AAE91050.1; PID:g265046
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Cispectes: Archaecquinus fulgidus
Cispectes: Archaecquinus fulgidus
Cispectes: OS-Doc-1907 #sequence_revision OS-Doc-1972 #toxt_thinu. Ci Dot 1999
Richer, H.P. Gispron, R.A. Tomb, J.F., White, C., Nelson, R.F., Retchur, K.A., Dodson, F. Gispron, P. D., Quackenbush, G., Lee, N.H., Sutton, O.S., Gili, S., Kirkness, E.F. Glodek, A. Zhou, L., Overbeek, R., Gocayno, J.D., Weilman, J.F., McConaid, L. Mature 390, A.4. Hors: Utterback, T.J. Cotton, M.D., Spriggs, T., Arliach, P., Faine, B.F., Sykes, S. Sirth, H.D., Mcess, C.R. Venner, C.C.
Anthors: Utterback, T.J. Cotton, M.D., Spriggs, T., Arliach, P., Faine, B.F., Sykes, S. Anthors: Utterback, T.J. Cotton, M.D., Spriggs, T., Arliach, P., Faine, B.F., Sykes, S. Anthors: Utterback, T.C.
Anthors: Utterback, T.J. Cotton, M.D., Spriggs, T., Arliach, P., Faine, B.F., Sykes, S. Anthors: Utterback, T.C.
Anthors: Utterback, T.J. Cotton, M.D., Spriggs, T., Arliach, P., Faine, B.F., Sykes, S. Anthors: Utterback, T.C.
Anthors: Utterback, T.J. Cotton, M.D., Spriggs, T., Arliach, P., Faine, B.F., Sykes, S. Anthors: Utterback, T.J.
Anthors: Utterback, T.J. Cotton, M.D., Spriggs, T., Arliach, P., Faine, B.F., Sykes, S. Anthors: M.M.D., Monten, B.J., M.D., Spriggs, T., Arliach, T.J., M.D., Spriggs, T.J., Arliach, T.J., Arli
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A.Status: preliminary
A.Kojedule type: DNA
A.Residues: 1-561 <STDs
A/Cross-references: GB:ARCC4437; NID:q1C580448; FlüntAAN: V22:17 GSPDB:GNC0138
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MEDLINE-83001945; FupMed-6288268;
MAX E.E., Battey J., Ney R., Krisch I.R., Leder P.;
"Duplication and deletion in the human immunoglobulin epsilon genes.";
Celi 29:691-699;1382).
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MEDLINE=8116897; PubMed:6300763;
Sero M., Kurokawa T., Ono Y., Onda H., Sasada R., Igarashi K.,
Kikuchi M., Sugino N., Nishida Y., Honjo T.;
Minaceular cloning and nucleotide sequencing of human immunoglobulin epsiton chain cDNA.";
Nucleic Acids Res. 11:719 726(1983).
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MEDGINE-84036029; PubMed-6234164;
Flanayan d.G., Sabhitts T.A.,
"The sequence of a human immunoglobulin epsilon heavy chain constant
"The sequency and evidence for three non alielic genes.";
EMBO J. 1:655-660(1982).
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MEDINE=8427910; iubMed=6427276;
MEDINE=8427910; iubMed=6427276;
MEDINE=8427910; iubMed=6427276;
MEdia S., Mishida Y., Hisajima H., Honjo T.,
"Long terminal tropeat like elements flamk a human immunoglobulin epsiton pseudogene that lacks introns.";
EMBO U. 1:1539-1544(1982).
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Bennich H.H., Johansson S.G.O., von Bahr-Lindstrom H.;
(In) Bach M.K. (eds.);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   P01854 PT; 428 AA. P01855 PT; 428 AA. P01854 P1. Created; 21-JJL-1986 (Rel. G., Last sequence update) 15-SEP-2003 (Rel. 42, Last semoration update) 16-SEP-2003 (Rel. 42, Last amotation update) IGHE.
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CRIO MOUSE
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YAGY ECOLI
GIPR PERAF
ACIPE STREO
CWFK SCHECO
Homo sapiens (Human)
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bloinformatics and the BMELO distallon the Buropean Bloinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way
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Bukaryota, Metazoa, Chordara, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Frimatus, Catarrhini, Hominidae, Homo.
Tryll TaxID-9606;
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J. Biol. Chem. 277:29874-29880(2002).
-- SIMILARITY: Contains i DAPIN domain.
-- SIMILARITY: Contains 9 leucine-rich (LRR) repeats.
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MEDLINE-22162427; Pubmed=12019269;
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MEDILNE-87289848; PubMed=3796618;
Paddan E.A., Dawres D.R.,
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Taknoff of immunoglobulin E.T;
Moi. Immunol. 23.1063-1075(1986);
SMILABITY: Contains 4 immunoglobulin like domains.
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MEDINS-2113699, PubMed=11259647,
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MEDINS-2113699, PubMed=11259647,
MEDEN N. L. Medid N. L. Baub M.T., Paulisen I.T., Medid N. E.,
Elsen J., Heidelberg J.F., Alley M.R.K., Ohta N., Manouck J.R.,
Potocka I., Nolson W.C., Newton A., Stephens J., Franke N.L., Ely S.,
Kolonay J.E., Shit J., Down M.B., Khourn H., Sherty J., Burry K.,
Utterback T., Tran K., Wolf A., Vamathevan J., Erwolades M., White O.,
Salzberg S.L., Venuer J.C., Shapiso I., Franke T.,
From Letterback T., Tran K., Wolf A., Vamathevan J., Erwolades M., White O.,
Monthelperg Genome sequence of Cauliobacter cressonius T.,
Proc. Natl. Acad. Sci. U.S.A. 98:4116-4141-20011
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-!- CATALYTIC ACTIVITY: ATP + L-threotine + 1FNA-Thrediphosphate + L-threonyl-tRNA(Thr)
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REMBL; G87306; G87306;
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Megriera, Endoperygota, Lepidoptera, Glossata, Ditrysia, Bombycoldea,
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SUBUNIT: Binds to HSP70.
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SUBUNIT: Binds to HSP70.
SUBUNIT: Binds to HSP70.
SUBUNIT: Binds a lesser extent in chilled nondiapause eggs.
DEVELOPMENIAL STARE: In diapause eggs, expressed after chilling a degrees Celsus for 5.6 days, persists for 30 days and then
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MEDLINE=21315837; FubMed=11422373;
MOTIDE Y., Nihmi T., Yanashita C., Yaqinuma T.;
Moribe Y., Nihmi T., Yanashita C., Yaqinuma T.;
"Samu, a novel Coid-inducible gene, encoding a protein with a BAG
domain similar to silencer of death domains (SODD/BAG-4), isolated
           Usage by and for
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ZINC (CATALYTIC) (BY SIMILARITY)
ZINC (CATALYTIC) (BY SIMILARITY)
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28-FES:2003 (Rel. 41, Created)
28-FES:2003 (Rel. 41, Last sequence update)
28-FES:2003 (Rel. 41, Last annotation update)
9AG domain-containing protein Samul.
modified and this statement is not removed. entities requires a license agreement (See lor send an email to licensewish sib.ch).
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MISCELLANEOUS: 'Samui' means 'cold
SIMILARITY: Contains 1 BAG domain.
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Eur. J. Biochem. 268:3432-3442(2001).
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Bacilius subtilis.
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ID SECA_BACSU
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no itstitutions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement [See Nitp://www.ish sib.di/announce/or send an email to licensealsb sib.ch;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This SWISS-PROT entry is copyright. It is produced incomply a collaboration between the Swiss Institute of Bloinformatics and the EMBL outstation the European Bloinformatics Institute. There are n. festitutions on its mass by non-profit institutions as long is its content is in no way modified and this statement is not removed. Usings by and for commercial entitles requires a license agreement. See http://www.ish.sib.nh/announce/or send an qualito licensealsb sib.ch.
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A Shukla H.D. Lossy S.P., Mahairas G.S., Marquist B. 180 M.

Shukla H.D. Lossy S.P., Mahairas G.S., Marquist B. 180 M.

Swaitzel, S. W. I. D. Hall J., Proceeding M. 180 M.

Swaitzel, S. W. I. D. Hall J., Proceeding M. 180 M.

Addocks D. G., Addoors, P. B., Robis M. W. 180 M.

Andam M., Fariusa T., Hou S., Dandels G. J., George B. F., Proceeding M. 180 M.

Abam M., Fariusa T., Hou S., Dandels G. J., George B. F., Proceding B. F., France B. F., Proceding B. F., France B. F
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16-5CT-25C1 (Rel. 40, Last sequence update)
28 FEB 2C3 (Rel. 41, Last annotation update)
CNA 1:qase (SCD 6.5.1.1) (Polydeoxytibonucleotide synthase (ATE, 115 OR VNGCBEG)
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Archaea, Buryaronaeota, Halobacteria, Ralchacheriales.
Halobacteriaceau, Halobacterium.
NCBI Tax10±64091).
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LYS-RICH,
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Matches 7, Conservative
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Kurst F., Ogasawara N. Mossners P. Bolotin A., Alloni G.,
A Zevedo V., Berrero M.G., Bessners P. Bolotin A., Borchert S.,
A Zevedo V., Berrero M.G., Bessners P. Bolotin A., Borchert S.,
A Borriss R., Bourster L., Brans A., Braun M., Bingnell S.C., Bron S.,
Brouliet S., Euuschi C.V., Calawell B., Curmings N.J., Carter N.M.,
Choi S.K., Codani J.T., Connerton I.F., Curmings N.J., Daniel R.A.,
Entian K.D., Errington J., Febret C., Ferrari E., Foulger D.,
Entian K.D., Errington J., Febret C., Ferrari E., Foulger D.,
A fritz C., Fujita M., Fujita Y., Fuma S., Galizzi A., Galleron N.,
A fritz C., Fujita M., Fujita Y., Fuma S., Galizzi A., Galleron N.,
A duiseppi S., Goffeau A., Fould M.F., Itaya M., Jones L.,
A duiseppi S., Hosono S., Hullo M.F., Itaya M., Jones L.,
A Kobayashi Y., Ketter P., Koringstein G., Krogh S., Kumaro M.,
Kobayashi Y., Ketter P., Koringstein G., Krogh S., Kumaro M.,
Kobayashi Y., Ketter P., Millo M., Maeil S., Noback M.,
A Noone D., O'Relliy M., Ggawa K., Ogidwara A., Oudega B., Park S.H.,
A noone D., O'Relliy M., Ggawa K., Ogidwara A., Oudega B., Park S.H.,
A parro V., Pohl I.M., Forterelle D., Polwollik S., Prescott A.M.,
PIR; G84244; G842244.

HAWAP; MF C0407; -: 1
InterPro; IPR002977; DNA ligase.

Pfam; PF01668; DNA ligase A C; 1.

Pfam; PF04679; DNA ligase A C; 1.

Pfam; PF04679; DNA ligase A C; 1.

Pfam; PF04679; DNA ligase A C; 1.

PROSITE; PS00697; DNA Ligase A N; 1.

PROSITE; PS00697; DNA Ligase AN; 1.

PROSITE; PS00697; DNA Ligase AN; 1.

PROSITE; PS00697; DNA Ligase AN; 1.

PROSITE; PS00806; DNA Ligase AN; 1.

PROSITE; PS00607; DNA Ligase AN; 1.

PROSITE; PNA 
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MEDLINE=911926C0; PubMed=190.557;
Sadaie Y., Takamates H., Nakamura K., Yamane K.;
Sequencing reveals similarity of the wild-type div+ gene of Bacilius subtilis to the Escherichia coli secA gene.";
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Soldo B., Lazarevic V., Mauel C., Karamata D.;
"Sequence of the Pacillus subtilis 169 chromosomal region from 105
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NCBI_TaxID=1433;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     255 255 AMP (BY SIMILARITY).
561 AA) 59619 MW, 58530D3C1D106D2E CRC64;
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01-DEC-1992 (Rel. 24, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
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MEDLINE=98044033; PubMed=9384377;
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This SWISS PROT entry is copyrigh. It is produced through a cullaboration between the Swiss Institute of Sicinformatics and the EMSD outstation—the European Broinformatics Institute. There are no restrictions on its most by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.ish.sib.ch/announce/or send an email to licensesisb-sib.ch).
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Picsejan E., Pujic P., Purnelle B., Rapoport G., Rey M., Reynolds S., Rieger M., Rivolta C., Rocha E., Roche B., Rose M., Sadase Y., Satolan E., Schleich S., Schroeter R., Socione F., Scanian B., Schleich S., Schroeter R., Socione E., Soldo B., Scrokin A., Taccon E., Takagi T., Takahashi H., Takemari K., Toseto N., John B.S., Soldo B., Sorickin M., Tamakoshi A., Tanaka T., Terpstra P., Tognoni A., Varenter K., Varenter R., Winters P., Wideler E., Wedler H., Weitzenogger T., Winters P., Wipst A., Yamamoro H., Yamari K., Yashikawa H.E., Zurstron E., Yoshikawa H.E
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(26 V -> 1 (IN REF. 4).
95530 KW, 9AAC3630139F5EFF CR064).
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MEDIINE-91375427; Pubmed-1832735;
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                                                                                                                                                                                                                                                                                                                                                                                                                              Schnall R., Mannhaupt G., Stucka R., Tauer R., Ehnle S., Schwarzlose C., Vetter I., Feldmann H., "Identification of a set of yeast genes coding for a novel family of
                                                                                                                                                                                                      SEGUENCE FROM N.A. STRAIN-SABRO / FYLK-9, STRAIN-SABBO / FYLK-9, Lucchini S., Melchioretto P., Nardese V., Agostoni Carbone M.L., Lucchini S., Melchioretto P., Nardese V., Vanoni M., Panzeri L., Submitted (SEP-1996) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              putative ATPases with high similarity to constituents of the 26S protease complex.":
                                                                                                                          Saccharomyces cerevisiae (Baker's yeast).
Eukarycta; Fungi; Ascomycota; Saccharomycetes;
Saccharomycetales; Saccharomycetaceae; Saccharomyces.
                                                                                                                                                                                                                                                                                                                                                   Submitted (APR-1996) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Yeast 10:1141 1155(1994).
-! SIMILARITY: BELONGS TO THE AAA FAMILY OF ATPASES.
-!- SIMILARITY: Contains 1 bromodomain.
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ATP (POTENTIAL).
POLY-GLU.
BROMGDOMAIN (DIVERGENT).
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                                      01.FEB-1995 (Rel. 31, Created: 01-0CT-1996 (Rel. 14, Last sequence update) 01-0CT-1997 (Rel. 35, Last amotation update) YTA: Cart binding homolog ?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PROSITE; PSO0674; AAA; 1.
PROSITE; PSO0633; BROMODOMAIN 1; FALSE_NEG.
PROSITE; PSSO014; BROMODOMAIN 2; 1.
ATP-binding; Bromodomain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL, Y07893, CAA6923111.

EMBL, Z7255, CAA973011.

EMBL, SAHCT2, CAA6667.

SGD, S0003502, YTA7.

Interpro, IPR03599, AAA ATPase.
Interpro, IPR03599, AAA ATPase.
Interpro, IPR03560, AAA Sub.
Interpro, IPR01487; Bromodomain.

Pfam, PF000439, bromodomain.

Pfam, PF00439; bromodomain.

SMART; SM00382, AAA; 1.
                                                                                                                                                                                                                                                                                                                                                                                 PRELIMINARY SECUENCE OF 1-1267 FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                 STRAIN=5288c;
MEDLINE=95274317; PubMed=7754704;
                STANDARD;
                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A.
                                                                                                                                                                        NCBI_TaxID=4932;
TBP7_YEAST
ID TBP7_YEAST
AC P40340;
                                                                                                                                                                                                                                                                                                                                    Feldmarn H.
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Chaperone, DNA replication, Heat shock.
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098267;
                                                           SEQUENCE
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Nimira K., Yoshikawa H., Takahashi H.,
"Sequence anilysis of the third dnak horolog gene in syne-third ins
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Quchi K., Nimia K., Yoshikawa H., Takahash: H.,
"Sequence and analysis of a dhad homologue gene in syanokasterium
Synethodoudus sp. PCC7942.";
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Bacteria, Cyanotisteria, Chrocophales, Synophodocous.
NCBI TaxID=1146;
                                                                                                                                                  Length 1379;
                                                                                                                1153 1153 K -> E (IN REF. 2).
1276 1273 D -> R (IN REF. 2).
1379 AA, 157406 MW, 3101F6F97E62EG4F CRC64;
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Nimita K., Yoshikawa H., Takahash, H.,

Ricchard K., Yoshikawa H., Takahash, H.,

Ricchard R., Yoshikawa H., Takahash, H.,

Fricchard R., Yoshikawa H.,

Fricchard R., Yoshikawa H.,

The ATPARA ATTIVITY OF DAM. BY SIMILARIY,

SUBCENCULA HONGA TO THE DAM. FAMILY

SIMILARITY: Gentains I J domain.
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15-DEC-1999 (Rel. 37, Last Seguente update)
16 0CT-2001 (Rel. 40, Last annotation update)
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                                                                                                                      Query Match
Bost Local Similarity 77.6-
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sp. PCC7942.
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30-MAY-2000 (Rel. 19, Last sequence update)
30-MAY-2000 (Rel. 19, Last annotation update)
Nucleoside triphosphatase I (EC 3.6.1.15) (Nucleoside triphosphate
Morphydrolase I) (NPH I) (MC100R).
MC100L.
Molluscum contagiosum virus subtype I (MCVI).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.
MEDLINE=96325459; PubMed=8670425;
Senkevich T.G., Bugert J.J., Sisler J.R., Koomin E.V., Darai G.
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                                                          70.2%; Score 33; DB 1; Length 287;
55.6%; Pred. No. 52;
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ATP (BY SIMILARITY).
DEXH BOX.
B786EFBA17E12F56 CRC64;
4 73 J-DOMAIN.
297 AA; 31980 MW; 2927A26932E6C546 CRC64;
                                                                                                                                                                                                                                                                                                634 AA
                                                                                                      4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             or send an email to licensesisb-sib.ch;
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InterPro; IPR0014:0; D54D.
InterPro; IPR0014:0; D64D.
InterPro; IPR00130; SNF2 N.
Pfam; PF00271; helicase C; 1; Pfam; PF00176; SNF2 N.
SMART; SM0487; D8X02; ; SMART; SM0489; HETICC; ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 143 D
72102 MW;
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                                           Guery Match
Best Local Similarity 55.0
Best Local Similarity 55.0
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Best Local Similarity 66.7
Matches 6, Conservative
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61
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SITE 140
SEQUENCE 634 AA;
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NCBI_TaxID=10280;
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Pfam; PF02815; MIR; 3.
Pfam; PF02366; PMT; 1.
                                                                                                                                                                                                       SEQUENCE FROM N.A.
(EC 2.4.1.109)
PMT1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Augura M., Tabara S.)

Suguence analysis of the genome of the unicellular dyanobacterium "Sequence analysis of the genome of the genome of the genome of strain PCG6803. I. Sequence features in the I Mb region from map positions 64% to 92% of the genome. I. The I Mb region from map positions 64% to 92% of the genome. In the I Mb region in the I Mb region of 1995.

The Res. 2.153-166(1999).

The Res. 2.153-169(1999).

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
MEDIINE=96127529: Pubmed=9590279;
Kancko T., Tanaka A., Sato S., Kotani H., Sazuka T., Miyajima N.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   70.2%; Score 33; DB 1; Length Ref., 55.6%; Pred. No. 1.69+02; tive 3; Mismatches 1; Hidels
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PMT1 CANAL
10 PMT1 (CANAL STANDARD; PRT; 877 AA.
AC 074183;
BT 15-2UL-1999 (Rel. 39, Created)
BT 15-2UL-1999 (Rel. 43, Last sequence update)
BT 28-FR8-2093 (Rel. 41, Last annotation update)
BE 05):chyl-phosphare-mannose--protein mannosyltiansterise:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     InterProj IPR052105; DNA_topolsolv
Plan; PE03930; DNA SyraseA C; 6.
Pran; PE03021; DNA ApraseA C; 6.
Prof. PE00044; DNA topolsolv; 1.
SNART; SN00434; TOP40; 1.
ISRAMS; TIGR01063; GyrA; i.
Isorerase; Topolsomerase; DNA-binding; Complete protections
ACT SITE 122 NA SSOT3 MM; BCE4691G4CF69455 GROA4,
                                                                                                                                                                                                                                                                                                                                                       Symechocystis sp. (strain PCC 6803).
Bacteria, Cyanobicteria, Chrocooccains, Synechonystis.
NOSI_TaxiD=1148;
                                                                                                                                                                                                          16-OCT 201 (Rel. 39, Last sequence update)
DNA gyrase subunit A (EC 5.39.1.8)
OYAA OS SIR0417.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EXPL., D64002; BKA10380.1; ... PTR, S76534; S76534. BSSP, P09097; 1AB4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         InterPro: IPR005943; DNA_gyra.
InterPro: IPR002105; DNA_topol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
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Matches 5, Conserv
                                                                                                                                                GYRA SYNY3
Q55738;
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                                                                                         RESULT 10
GYRA SYNY3
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                                                                                                                                                                                                                                     "Multiple functions of Pmtip mediated protein C-mannosylation in the function. TPANSFERS MANNOSE FROM DOL P MANNOSE TO SER OR THR RESIDUES ON PROTEINS.
--- CATALYTIC ACTIVITY: DOLICHY! phosphate D-mannose + protein = dulichyl phosphate + O-D-mannosyl-protein.
--- PATHWAY: Glycosylation.
--- SUBCELJULAR LCCATICN: Integral membrane protein. Endoplasmic
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(POTENTIAL).
(POTENTIAL).
(POTENTIAL).
                         Eukaryota, Fungi, Ascomycota, Saccharomycotina, Saccharomycetes,
Saccharomycetales, mitosporic Saccharomycetales, Candida.
NCBI_TaxID=5476;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (POTENTIAL)
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O
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -:- SIMILARITY: BELONGS TO THE GLYCOSYLTRANSFERASE FAMILY 39. -:- SIMILARITY: Contains 3 MIR domains.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 877;
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.6e+02;
.. 2; Indels
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N'LINKED (GLONAC:
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Pred. No. 1.6e+02
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28-FEB-2003 (Rel. 41, Last sequence update)
15 SEP-2003 (Rel. 42, Cast annocation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EMBL, AF000232, AAC31119.1; ...
InterPro, IPR003342, Glyco_trans_39.
InterPro, IPR003608; MIR.
                                                                                                                                                                                      STRAIN=CAF3-1;
MEDLINE=98361950; PubMed.9694829;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            77.88;
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les 7; Conservative
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Candida albicans (Yeast)
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SO EUGKILPVU 58
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                                                                           similarity)
                                                                                                                                                                                                                                                                                                             Chaperone.
                                                                                                                                                                                                                                                                                                                         SEQUENCE
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RL21_METMA
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                                                                                                                                          resolution.";
Cell 38:811-824-1999).
-: FUNCTION: DNA DEPENDENT RNA PCLYMERAGE CATALYZES THE TRANSCRIPTION
-: CP DNA INTO RNA USING THE POTE RIBURGLEGSILE TETPHGSPRATES AS
                                                                                   SEQUENCE FROM N.A., AND X RAY CHYSTALLOUBARMY (3.5 AMOSTROMS).
MEDLINE-99428144; PubMed-10499709.
Zhang G., Gampbell E.A., Minakhin L., Stohter C., Severinov K.,
Darst S.A.,
"Crystal structure of Thermus aquations core RNA polymerase at 3.3 A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3,115
DNA-directed RNA polymerase beta chain (EC 2.7.7.6) (Transcriptase beta chain) (PNA polymerase beta subunit).
                                                                                                                                                                                                -i. CATALYTIC ACTIVITY: N nucleoside tylphosphate = N diphosphate
                                                                                                                                                                                                                       SUBUNIT: THE ENZYME CONSISTS F THE SIGMA CHAIN AND THE CORE ENZYME WHICH IS COMPOSED OF 2 ALPHA CHAINS, I BSIA CHAIN, AND
                                         Racteria, Deinococcus-Thermus; Peinococci; Thermales: Thermaceae;
                                                                                                                                                                                                                                                       SIMILARITY: Belongs to the RNA polymerase heral harm tasily
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Bacteria, Protechapteria, Betaprofermenta, Post Cresules,
                                                                                                                                                                                                                                                                                                                                                             1119 AA: 124757 MW: 138-48509000974 - 8344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CB10_BCRPD STANDARD, PRT, GG AA PR4021, 01-PR4021, 01-PR401996 (RU] 33, Created)
01-PR8-1996 (RU] 33, Created)
01-PR8-1996 (RU] 33, Last sequence uplanted appropriately and annotation of discovering an annotation of discovering an annotation of discovering and appropriate (Profession Cpn10) (430-RC) (RU)
0800S GR GROBE CR CPN10)
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STRAIN Johama / 89338;
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                                 Thermus aquations.
                                                                                                                                                                                                                                             N. KHO
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                                                              WTPI_TAXID.271;
                                                                                                                                                                                                            (RNA) (N)
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                                                       hermus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bicinformatics and the EXBL outstation the European Broinformatics. Institute. There are no restrictions on its way mon-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to licensesisb sib.ch).
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STRAINGCEL / GOL / ATCC BAA-199 / DSM 3647 / OCM 88;

STRAINGCEL / GOL / ATCC BAA-199 / DSM 3647 / OCM 88;

MEDLINESZ212082; PURMEd-12125924;

Deppenmener U. Johann A., Hertsch T., Merkl R., Schmitz R.A.,

Martinez-Arias R., Henne A., Miezer A., Baeumer S., Jacobi C.,

Martinez-Arias R., Henne A., Miezer A., Boemecke M., Steckel S.,

Brueggemann H., Lienard T., Christmann A., Boemecke M., Steckel S.,

Bhattacharya A., Lykidis A., Overbeek R., Klenk H.-P., Sunsalus R.P.,

Fritz H. C., Jostschalk G.,

"The genome of Merhanosarcina mazer: evidence for lateral gene

transfer between Bacteria and Afolhaea."
                                                                                                                                                                                                                                                               Gene 158.151-152(1995).
IF PLOKINON: Bands to Cop60 in the presence of Mg-ATP and suppresses the ATPase activity of the latter.
Ithe ATPase activity of the latter.
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U. Mol. Microbiol, Borestrop. 4:453-461(2002).
-:- SIMILARITY: SPUONGS TO THE 121E FAMILY OF RIBOSOMAL PROTEINS.
Pernandez R.C., Weiss A.A., "Cloning and sequencing of the Bordetella pertussis cpn10/cpn60 (grossl) homolog.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .
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55.6%; Pred. No. 26;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SUBCELLULAR LOCATION: Cytoplasmic (By similarity). SIMILARITY: BELCHOS TO THE GROES CHAPERONIN FAMILY.
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Methanosarcinales, Methanosarcinaceae, Methanosarcina,
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Best Local Similarity 55.6
Matches 5, Conservative
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Search completed: November 5, 2003, 15:47:55 Job time: 4.65625 secs

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This SWISS FROT curry is copyright if the problem for the control of matter and the EMPL curstation the European Bloinformatics Instituted. There are the restrictions on its use by non-profit institutions as long as the curry, is in no way most field and this statement is not temperal. Usage by and for corrected curries requires a license agreement (She Bright-www.sh shiphihannounce) or send an email to license@isb-sth.ch.
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STRAIN JAD.: 7 JSW 266.7 ATCC 43067.7
MININNEL9637999. PUBMED=86808087.7
MININNLNEL9637999. PUBMED=66808087.7
SULTO G.G., Blake J.A., FitzGerald L.M., Clayton 8.A., Godayne J.D., Sulton G.G., Blake J.A., FitzGerald L.M., Clayton 8.A., Godayne J.D., Soutton G.G., Kirkness E.F., Weinschuk K.G., Merrian J.M., Godock A., Soott J.M., Geoghagen N.S.M., Weidman J.F., Fibrrant J.M., Glock A., Soott J.M., Geoghagen N.S.M., Weidman J.F., Fibrrant J.M., Glock A., Etterback T.R., Kalley J.M., Peterson J.D., Sadow P.W., Sanna M.C., Cotton M.D., Roberts K.M., Hurst M.A., Wosse J.B., Solodovsky M., Kumk M.P., Praces C.R., Whitel J.G., McChiplete genome sequence of the methanogenic atchaeco. Methalogocus
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62.5%) Pred. No. 34
11ve 3, Mismatches 0, Indo.s
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Pred. No. 26,
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Yade Method

To "NOV-1997 (Rel. 35, Created)

DT 01-NOV-1997 (Rel. 35, Last sequence undated)

DT 01-NOV-1997 (Rel. 35, Last sequence undated)

DE Hypothetical profero MJ3408.

SECHEMBER ENLYACHAGGER Methanococci, Methanoccocci, Methan
                                                         EMBL; AE011498; AAM32232.1; -.
HAMAP; MF 00369; -; 1,
InterPro; PR001147; Ribosomal L21e.
Pfam; PF01159; Pibosomal L21e; 1,
Pfam; PF01159; Pibosomal L21e; Thuse NEU-
Pibosomal protein; Complete proteome,
SEQUENCE 97 AA; 11090 MW; 28F4EEFC06f13h
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or send an email to licensewish-sib.ch).
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Best Local Stribarity 55.6%;
Matches 5; Conservative
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Best Local Similarity 62.5
Matches 5, Conservative
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82 DGKMLDVC 89

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RESULT :
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Qeng2: corynebacte
Qum2x7 arabidopsis
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Q8Igq: oryza sativ
F91775 pacifastacu
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Cl6562 methanobact
Capata haloarcula
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CHyper anabaena sp
CHOXTS ALEanobacil
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Q98595 caenorhabdi
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GenCore version 5.1.6
Copyright (c) 1993 2003 Compagen Ltd.
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                                                                  OM protein - protein search, using sw model
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P91775
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Q9ZRD1
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Sp_archea:*
Sp_bacteria:*
Sp_fung:*
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Sp_invertebrate:*
Sp_mmman:*
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Perfect socie:
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Ogvowe drosophila
Ogegiz shewanella
Ogzwis bacteriabla
Ogskis caenothabdi
Ogitila arabidosceri
Ogitila arabidosis
Ogitila pseudomonas
                                                      Q9kvz8 xarchomonas
Q9y7b0 yarrowia li
Q8vt54 xarchomonas
Q8r8k6 thermcanaer
O26913 methanobacr
                                    Q98r24 mycoplasma
O30057 archaeoglob
Q8enu2 oceanobacii
Q94hd6 oryza sativ
                 Q8xkc4 clostridium
Q8mzj8 acanthochei
Q92wl6 rhizobium m
                                                                              Q81gk9 drosophila
Q8xut7 ralstonia s
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Q9hjh4 thermoplasm
                                Q9xib4 arabidopsis
         Q8mq08 caenorhabdi
Q09165 caenorhabdi
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plasmodium
     neurospora
081514
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C9Y7B0
C9Y7B0
C8VT54
C8K8K6
C26913
                                                                                           08EGL2
09ZXDS
0966KS
09HCI3
09LIL1
09LIL1
                               Q9XIB4
Q98R24
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Q8ENJ2
Q94HD6
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Q8XUT7
        CSM008
Q09165
Q8XKC4
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Q92WL6
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12268
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ALIGNMENTS

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RAY MEDLINE20534483; PubMed=11016955; RAY MEDLINE20534483; PubMed=11016955; RA NG W.V. Kennedy S.F. Mahairas G.S., Berquist B., Pan M., RA Shakla H.D., Lasky S.R., Baliga M.S., Thorson V., Brogna C., Shukla H.D., Lasky S.R., Baliga M.S., Thorson M.J., Hough D.W., Lethauser B., Keller K., Cruz R., Danson M.J., Hough D.W., RA Lethauser B., Keller K., Cruz R., Panson M.J., Hough D.W., Dale H., RA Isenbarger T.A., Peck R.F., Pohlschroder M., Spudich J.L., Jung K. H., Sham M., Frentas T., Rou S., Daniels C.J., Dennis P.P., Omer A.D., RA Ebhardt H., Lowe T.M., Liang P., Riley M., Hood L., DasSarma S., R. T., Cenome sequence of Haliobacterium species NRC. L., Frentas T., Rou G. M., Liang P., Riley M., Hood L., DasSarma S., R. T., Cenome sequence of Haliobacterium species NRC. L., Frentas T., Rou G., M., Liang P., Riley M., Hood L., DasSarma S., R. T., Cenome sequence of Haliobacterium species NRC. L., Frentas T., Rou G., M., Liang P., Riley M., Hood L., DasSarma S., R. T., Cenome Sequence of Haliobacterium Species NRC. L., Frentas T., Rou G., M., Liang P., Rou G., M., Liang P., Liang P., Row, I., Bosomal L. Late T., Commanda Protein, Complete Proteome.

SMART, SMOROTOS, KW, I., M., 13369 MM, 9002Fic4577190A8 CRC64,
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                                                                                                                                                                                                                                                                                                                     Halobacterium sp. (strain NRCL)).
Archama, Euryarchamota, Halobacteria, Halobacteriales,
Halobacteriaceac, Palobacterium.
                                                                                                                                                               Last sequence update)
Last annotation update)
                                     118 AA
                                                                                                                         Created)
                                                                                                            01-MAR-2001 (TrEMBL:rel. 16,
                                                                                                                                                      C1-MAR-2001 (TrEMBLiel, 16, 01-MAR-2003 (TrEMBLiel, 23,
                                                                                                                                                                                                                                      50S ribosomal protein 124P. RPL24P OR VNS17023.
                                         PRELIMINARY;
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                                     Q9HPC3
Q9HPC3
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CSZRDI C9ZRDI RESULT 2

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01-CCT-2002 (TrEMBLER), 22, Created)
01 CCT-2002 (TrEMBLER), 22, Last sequence update)
01 MAR-2003 (TrEMBLER), 23, Last annotation update)
01-MAR-2003 (TrEMBLER), 23, Last annotation update)
01-MAR-2003 (TremBler), 03, Last annotation update)
Mybothetical protein.
Arabidopsis thallana (Mouse ear cress)
Bukaryota; Virolaplaniae; Streptophyra; Embryophyta; Tracheophyta;
Spermatophyra; Maplaniae; Streptophyra; core eudicots; Rosidae;
eurosids II; Brassicales; Brassicaceae; Arabidopsis,
                                                                                                                                                                                                                                             Eukaryota, Metazoa, Nematoda, Chromadorea, Rhabditida, Rhabditoidea,
Rhabditidae, Peloderinae, Caenothabditis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           78.7%; Score 37; DB 5; Length 1250; 66.7%; Pred. No. 2.46+02; 1ve 3; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN=Bristol N2;
Czersky P., Wohldmann P., Carter T.;
"The sequence of C. olegans cosmid V110A7A.";
Submitted (MAR-1999) to the EMBL/GenBark/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "Direct Submission.";
Submitted (SEP 2011) to the EMBL/GenBank/DFBJ databases.
Submitted (SEP 2011) to the EMBL/GenBank/DFBJ databases.
EMBJ ACO66709, AAF6643.0.2.
HormPep; V110A7A.16, CE281.03.
InterPro; EPR206649, IKI3.
Pfam: PFS2462. IKI3;
Hypochetical protein.
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                                                                                          01 OCT-2000 (TrEMBLYEL, 15, (Teated)
CL-OCT-2001 (TrEMBLYEL, 18, Last sequence update)
01-MAR-2003 (TEMBLYEL, 23, Last annotation update)
Hypothetical 142.7 kDa profess.
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                                              PR.7.;
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STRAIN-Bristol N2;
MEDLINE-99669613; Pubmed=985:916;
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Best Local Similarity 66.7
Matches 6, Conservative
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                                              PRELIMINARY;
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STRAIN-Bristol N2;
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Q9N595,
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RESULT 4
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                                                                                                                                                                                                                                        51-NAY 1999 (TERMELTE), 10, Created
51-NAY 1999 (TERMELTE), 10, Last sequency updated
51-DEC-2001 (TERMELTE), 10, Last sequency updated
NICOLARIA tabadom (Common tobaccol)
NICOLARIA tabadom (Common tobaccol)
Spermatophyta, Virialiplantaes Streptophyta, Embryophyta, Italheophyta, Spermatophyta, Magnolipphyta, endichty educated
Asteridae, laminds, Solamales, Solamaceae, Nicotiana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bierrann B.J., Frice J.R., Crowell D.R., Randall S.K.;
"A collection of cDNAs encoding isopremylated plant proteins.";
Schmitted JUN. 1996) to the EMBL/GenBank/DTBL databases.
EMBL 1964258, AADS9518.1; -.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    78.2%; Score 37; 08.10; Longth 344; 75.0%; Pred. No. 59; 0; Itale38; tive 2; Mismatthes 0; Itale38
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Vituses, dabka vituses, no RKA store, stolkoloses, My
NCSI Taxibilabekey
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Dast annotation oplate
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es 6; Conservative
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                                                                   59 EDGEVTOVD 67
                       EDGGWWDVD 9
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STRAIN=cv. Nipponbare; Yanagai F., Fujimuro M., Yokosawa H., Yanagawa Y., Hasezawa S., Kuragai F., Fujimuro M., Yokosawa H., Tanaka K., Komamine A., Hashiroto J., Sato T., Nakagawa H., "Colocalization of proteasome subunits and plant specific microcubiles, preprophise bands and phrag-oplast, during cell cycle.", Submitted (AuG.1999) to the FYBL/OenBank/DDJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota, Viridiplantae, Stroptophyta, Embryophyta, Trachcophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae,
Ehthartoideae, Oryzeae, Oryza.
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Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnollophyta, billopsida, Poales, Poaceae,
Ehrhattoideae, Oryzeae, Oryza.
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Local Similarity 75.0%; Pred. No. 1.3e+02;
les 6; Conservative 2; Mismatches 3; Indels
                                                           EU Arabidopsis sequencing project;
Submitted JOAN-2000; to the EMBL/GenBark/DDBJ databases.
EMBL, AL132-2000; CA the EMBL/GenBark/DDBJ databases.
InterPro; IPR03613; Znf_modRlNG;
SYART; SMC3504; Ubcx; 1.
Hypothetical project:
SEQUENCE 480 AA; E2645 MW; CC54H011E9306FBA CRC64;
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AA: 54980 MW; 98911583A4832AC1 CRC64;
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C1-MAR-2002 (TrEMBLiel. 20, Last sequence update)
C1-OCT-2002 (TrEMBLiel. 22, Last annotation update)
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01-OCT-2002 (TrEMBLre), 22, Created)
01-OCT-2002 (TrEMBLre), 22, Last sequence update)
01-MAR-2003 (TrEMBLre), 23, Last annotation update)
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Interfro; IPROCOUT; PCT.
Pfam; PF01399; PCT; 1.
SMART; SMCO88; PLNT; 1.
SEQUENCE 487 AA; 54980 M
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                   SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98N321,
01 OCT-2012 (TEMBLIEL 22, Created)
01 OCT-2012 (TEMBLIEL 22, Last sequence update)
01 MAP 2013 (TEMBLIEL 23, Last annotation update)
Uncharacterized AlPase related to the holicase summortus or the Holliday
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Complete genomic sequence of Conymidationing dutabless. Signification of MAY 2002) to the EMBL/Jenhank/COBJ databless. Submitted MAY 2002) to the EMBL/Jenhank/COBJ databless. EMBL/Jenhank/COBJ databless. InterPro (1870)3999 AAA Marse cent...
InterPro (1870)3999 AAA Marse cent...
FROUND RECORD AAA MAY REGOMAIN.
Helioase. Complete protection.
STOCKEN 459 AAA 49478 MM, 8955PERFALTS9405 URCEAL.
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Eukaryota, Viridiplantae, Streptophyta: Embiyophyta, Trachecphyta;
Speimatophyta; Magnoliophyta; eudicotyledomy cons. Libets, Ecsidae;
eurosids II: Brassicales; Brassicaceae, Arabidogus
NCB1 TaxID=3702;
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Rieger N., Gabel C., Mueller-Adel S., Schaefor N., Ziff N., Preger N., Geroke K., Mayer K.F.X., Quetiel F., Caldin and N., Submitted (NOV-1999) to the EMBL/Sepbank/DDET and an access.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conymebacterium glutamicum (Brevibacterium flavum).
Bacteria, Actinobacteria, Actinobacteridae, Actinomyndales,
Conymebacterineae, Conymebacteriancae, Conymebacterium.
                                                                                                                                                                                                                                                                                                                                                                            76.6%; Score 36; DB 10; Length 444; 75.0%; Pred, No. 1.20+02; Anix 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query March
Best Local Similarity 66.7%; Prod. NY: 1 ve-12;
Matcher 6; Conservanive 2; Millions (1911)
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"Full Length cONA from Arabidopsis thaliana,";
Submitted (MAR-2002) to the EMBL/GenBank/DDBU darabases.
BMBL, AY064697, AX461258.1; -.
Interito, IPR003633, Znf_modRING.
SMART; SMC0504; Ubox; i.
                                                                                                                                                                                                                                                 Hypothetical protein.
SEQUENCE 448 AA, 49011 MW, 4AD6978DR854F763 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                09M2X7;
09M2X7;
01-0CT-2000 (TYEMBLEE) 15, Created,
01-0CT-2000 (TYEMBLEE) 15, Last Schieble, upplication upplication upplication) 3Mpothotical 52.6 KDa protein.
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STRAIN ATCC 13610 / DSM 20300 / NCIB 16025;
Nakadawa 8.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRT;
                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 75.0
Matches 6, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 DISCHARGORE 9
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CGL1633.
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Q9M2X7
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CONQLI
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SCHALMINGTO 11169.

RA MEDALME-2015-012 From M.A.

REDALME-2015-012 From Managali K., Ketley U.M., Churcher C.,

RA Basham D., Chillingworth T., Davies R.M., Feltwell T., Holroyd S.,

RA Gagels K., Karlyskew A. M., Managali K., Retley U.M., Churcher C.,

RA Gagels K., Karlyskew A., Managali K., Relien M.D., Penn C.M.,

RA Gagels K., Karlyskew A., Managali K., Van Vliet A.H.M.,

RA Gagels K., Rahardroam M.A., Ruthertord K.M., Van Vliet A.H.M.,

RA Gagels K., Rahardroam M.A., Ruthertord K.M., Van Vliet A.H.M.,

RT Free geneme of the food-borne pathogen Campylobacter joinn:

RT Fever's Rapidate Control of the food-borne pathogen Campylobacter joinn:

REMBL, Alisopoly, CARPICATI,

DR RAME, PROSITE ROBOSE, CAMP, 11.

DR SARRI: SMOOLO, CAMP, 11.

DR SARRI: SMOOLO, CAMP, 11.

KM COMPLETE PROSCOZY CAMP_SINDING 3; 1.

KM COMPLETE PROSCOZY.
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MEDLINE 98 37814, Filtyed=517146),
MEDLINE 98 37814, Filtyed=517146),
MEDLINE D. Cocotto-Stamm L. A., DeLoughery C., Lee H.-M., Dubois J.
Addredge T., Bashirzadeh R., Blakely D., Gook R., Gilbert K.,
Harrison D., Bloang L., Keagle P., Lumm W., Pothier B., Qiu D.,
Spaddfora R., Vicare R., Wang Y., Wietzbowski J., Gibson R.,
Jiwani N., Caruso A., Bush D., Safer H., Patwell D., Prabhakar S.,
Junani S., Shiner G., Goyal A., Pietrovski S., Church G.M.,
Daniels C.J., Mao J.-I., Race P., Noeling J., Reeve J.N.,
"Complete genome sequence of Methanobacterium thermoautotrophicum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                    Bacteria, Proteobacteria, Epsilonproteobacteria, Campylobacterales,
Campylobacteraceae, Campylobacter.
NOBY TAXID-197,
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O
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Methanobacterium thermoautotrophicum.
Archaea, Buryarchaecta, Methanobacteria, Methanobacteriales,
Methanobacteriaceae, Methanothermobacter.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           74.5%; Score 35, DB 16; Length 198;
44.4%; Pred. No. 77;
attive 5; Mismatches 0; Indels
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J. Bacteriol. 179:7135-7155(1997)
EMBL. AECOCARD, ABB6496811, "Hypotherical protein, Complete proteome.
SEQUENCE: 265 AA; 31455 MW, 15F3D35AECOE6DC2 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-JAN-1998 (TrEMBLrel. 05, Greated)
01-JAN-1998 (TrEMBLrel. 05, Last sequence update)
01-JAN-2002 (TrEMBLrel. 21, Last annotation update)
Hypothetical protein WTH462.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        265 A.A.
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Best Local Similarity 49.5.
The Corservative
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Best Local Similarity 55.0.
Fine 5; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       155 ENGRIVEVE 163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     83 EDGEILEIR 91
                               Campylobacter jejuni
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 EDGÇVMDVD 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 EDGOVMDVD 9
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MEDINE-9738078; PubMed-9192628;
LLang Z., Sofrrup-Jensen L., Aspan A., Hall M., Schrinl. S.,
Facilistic, a novel 155-70a hererofimeric profesionary containing a unique transferrin claim."
Perci (NAI) Acad. Sci. U.S.A. 94:688.46971397;
HESPI, USIRAYA ACAG. Sci. U.S.A. 94:688.46971397;
              "Oryga sativa nipponbare(GA3) genomic ENA, chromosome 1, PAC clone:P0004612.";
                                                                                                                                                                                                                                                                                                                                                                                                              76.6%; Score fer DB 16, Length 900; 77.8%; Pred, No. 1.66-62; Live i; Mismatches 1: Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pacifastin heavy chain precurso:
Pacifastacus lenusculus (Signal craytish,
Bukaryota, Metanoa, Arthropoda, Chustacea, Malacustiaca,
Bumalucostraca; Bucarida, Decapoda, Plecoyemata, Astacibasi Astacidae, Pecifastacus,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            76.6%; Score We, TH 1; Engin 377, 55.6%; Pred, No. 2.40+02; ative 3; Mismatches 1, Indels
                                                                              Submitted (MAR-2061) to the EMBL/Gensank/DDPC databases
EMBL; APG03433; BAE92664.1; -.
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23 977 PACTEASTIN HEAVY CHAIN 977 AA, 106866 MW, SEFFICSI 331, PM, CE-PH
                                                                                                                                                                                                                                                                                                                                                             569 AA; 61340 MW; 9600 DEED4ABARUIB "RONG,
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09014.:
01-001 2000 (TrEMBLEE) 15, Created?
01-001 2000 (TrEMBLEE) 15, Last segmence update
01-001-20A1 (TrEMBLEE), 19, Last sequence update:
Putative franscriptional regulator
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1 NAY 1997 (TrEMBLrel. 0), Greatel:
01-NAY-1997 (TrEMBLrel. 0), Last sequence update
01 DEP-2001 (TrEMBLrel. 19, Last annotation update.
Sasaki T., Matsumoto T., Yamamoto K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SMART, SMC1004, TR FER, 1
PROSTIE: PSC1004, TRANSFERRIN_2, 1
Signal 1 22 POTEN:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               InterFror IFPO01166; Transferrin
Palmy, PFO045; Transferring 2,
PRINTS, PRO041, TRANSFERR
SMART, SMOOTHE, TREEFIR
                                                                                                                               Gramene, 98LQG1; --
InterPro, 1PR003137; PA.
InterPro, 1PR006639; PSN.
Pfur, PF04258; DJF435; 1.
Pfur, PF02225; PA:
SMART, SM00730; PSN; 1.
PR0ST1E; PS50640; PA: 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 77.8
Matches ?, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sest Local Similarity 55.6
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRELIMINARY;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                148 FDGQVLRVD 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 SCGCVMDVD 9
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                                                                                                                                                                                                                                                                                                                                                                                                                    Cuery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     P91775
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Q9P142
1D Q9P14
AC Q09F14
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                                                                                                                                                                                                                                                                                                                                                                                                                                     SPECIES-H.maris-ortus;
Yoshiratso K., Iwasaki T., Fujiwara T.;
Yoshiratso and Electron Paramegnetic Pesonance Analyses of the Archaeal
Nitrate Reductase NardH from the Denitrifying Halophillo Suryarchaeote
Haloarcula maris-ortus.";
Submitted (JAN-2002) to the EMBL/GenBank/DDBC databases.
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NOBL TaxID 173;
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SEQUENCE FROM N.A.
SPECIAL CALL CALLS SUBSP. Maristottui;
Voshumdatsu K.; Yaramoto A.; Fujiwara T.;
Sequence analysis of the dissimilatory nitrate reductase trum a "Sequence analysis of the dissimilatory nitrate reductase trum a Submitted (APR-2700) to archaeon, Haloarcula malismortui.?;
Submitted (APR-2700) to EMBL/3enBack/DB3/databases.
EMBL: AJ229077; CAB29122.1;
InterPoly (CAB99122.1)
Plum; PECUSS; FUT4; 1.
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STRAIN=56601 / Serogroup Icterchaemorrhagiae / Setudar Lary
Ren S.,
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Best Local Similarity 55.6%; Pred. No. 1.56-52;
Marches 5; Conservative 3; Mismatches 1; Inhels
                                                                                                                                                                                                                                                     Haloaroula marismortui (Halobacterium marismustili, and
Haloaroula marismostui subsp. marismostui.
Archaea: Euryarohacota; Halobacteria; Halobacteriales;
Halobacteriaceae; Baloaroula.
NCHI_TaxID=2218; 122093;
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COPPLER.
COTT-2000 (TEMBLER) 15, Created;
COTT-2000 (TEMBLER) 15, Last sequence update)
COTT-2000 (TEMBLER) 15, Last sequence update)
COTT-2002 (TEMBLER) 20, Last annotation update)
Nitzate reductase subunit 2 (EC 177 99.41)
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(B.MAR 2003 (TrEMBLREL 23, Created)

OL.MAR 2003 (TrEMBLREL 23, Last sequence update)

OL.MAR 2003 (TrEMBLREL 23, Last annotation update)

IMPORTICAL Protein.

LA189.

Leptospira interrogans.
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Best Local Similarity 75.01
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                                                                                                                                                                                                                                                                                                                                                                                                                          Anabaena sp. (strain PCC 7120).
Bacteria; Cyanobacteria; Mosiccales; Nostocaceae; Nostoc.
MCRI_TaxiD=101690;
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Job time : 20,4777 secs
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EMBL, AF003595, BAB75947,1;

InterPro; IPR001650; Helicase C.

InterPro; IPR001650; Helicase C.

InterPro; IPR002599; PriA.

P(Am) PP0027; helicase C; SARAT; SM0C487; DELOCASE C; INCOCASE C; INCOC
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  AAB20867 standard; peptide;
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25-FEB-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        immunoglobulin E epitope immunogenio peptide SEQ ID NO:5.
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AAU16641
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The present invention describes a peptide (I) compising an isolated surface exposed group/epitope (EI) of C-epsilon 2 domain (3) of immunoglobulin E-1984, or its immorphy explosed area (i) an immunoglobulin E-1984, or its immorphy explication (I) (2) a vaccine (III) of intrading alloways compising (I) (2) a vaccine (III) of compising (II) (3) a ligand (IV) capable of recognising (IV) comparising (IV); (5) a period (IV) and (IV) of comparising (IV); (1) and (IV); (2) a peptide (I3) and (I) producing (II) (I) and munocupressive activities, and can be used as a vaccine and histamine release inhibitor. (II) and (III) are useful in medicine and in the manufacture of medicaments for treating as a vaccine and in the manufacture of medicaments for treating confidentifying in medicine and also in manufacture of medicaments for treating and preventing allowayses in distributing medicaments for treating allowayses (IV) is useful in diagnosines and in the affinity purification (C) of circulating and planet susceptible to or suffering from allergies. (CV) is also useful in diagnosing atopy. AAB2699 represent
                                                                                                                               Peptides useful for treating, preventing and ameliorating allergic diseases, comprising an isolated surface exposed group of a specific domain from immunoglobulin E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human: Linkage technology; conjugated compound; carrier vehicle; epitope; Cepsilon2; Cepsilon3; Cepsilon4; immunoglobulin E; Igs mediated disease; antibody response.
      Van Mechelen MP, Vinals De Bassols YC
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100.0%; Pred. No. 9.3e+05;
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                                                                                                                                                                                                                                                           Claim 2: Page 5: 129pp: English
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22-FEB-2000; 2000GB-0004096.
22-AUG-2000; 2000GB-0020707.
22-AUG-2000; 2000GB-0020708.
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Best Local Similarity 100.0
Thun 9; Conservative
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   Randail R, Turneli WG,
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                                                                   WPI; 2000-572073/53
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BOGOWOVE
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(SMIK
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                                                               Immunogens and vaccine comprising the immunogen useful for preventing and treating infectious diseases e.g. malaria and chronic disease e.g. cancer, comprises peptide and carrier from protein 1 of influenzae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             igs C epsilon is domain surface exposed epitope peptule Buiss, its Nitt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Epitope, mimosope, human, immunosophilis B. 148. Thereis no thausing allerand disease, immunopiophylaxis, immunosipe gyour cities no immunosuppressive, vaccine, historiae recesse cities to the immunosuppressive.
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Best Local Similarity 100.0%; Pred. 30: 9.3e+05;
Matches 9; Conservative 0; Mismatches 6.
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                                                                                                                                                                                               Claim 9; Page 37; 53pp; English
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99GB-0007151.
99GB-0010537.
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99GB-0021046.
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99GB-0025619.
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99GB-0018594
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WP1; 2000-572040/53
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29. WAR 1999,
07. MAY 1999,
07. AUG-1999,
07. AUG-1999,
07. SEP-1999,
25. CCC-1999,
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A linkage comprising an immunogenic conjugate usefu, ireaiment of 1gB

WPI; 2001-52:967/57

us-09-914-088-1.open.rag

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conjugation of encounts tegates to intrade meaning the international present international tegates. Deptices) to cattlet websides Conjugation of engineers, polymers, dendrimers, proteins to produce coloqueal and immunological constructs. The invention to produce a pharmaceutical composition of a vaccine. The rection for insert in a pharmaceutical composition of a vaccine. The composition of describes peptides derived from or mannership from the composition of Cepsilons of the compositions of the invention are useful in the mannership of compositions of the invention are useful in the mannership of a rediction of a protein so day to the treatment of IgE mediated diseases. The invention are useful in the mannership of a protein so as to form an immunogenic conjugate which may be able to risks a protective antibody response in an animal or human partern. The the Cepsilon2/Cepsilon3/Cepsilon4 region of furantily.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The piesent invention relates to a composition compulsing allerly peptides linked by an inert carrier. The allerly peptides in derived from "monoglobulin B (198) or 198 receptor. The prison periods is one such peptide from 198. The composition is useful as a vacinity or for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New vaccine comprising allergy peptides (insed by an ideal carrier, useful for boosting an anti-allergy immune response in an individual susceptible to an allergic response
                                                                                                                        present invention relates to linkage methodology for use in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query March
Bost Local Similarity 100.0%; Pred. No. 9.3e+65;
Marches 9; Conservative 0; Mismatches 0; Indels
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                                                                                      Example 4; Page 21; 48pp; English
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                                                    rediated diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                  9 AA
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manufacturing a medicament for the prophylaxis or treatment of allergy. In particular, for boosting an anti-allergy immune response in an individual susceptible to an allergic response.
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                                                                                                                   Gaps
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100.0%: Score 47; DB 23; Length 9;
Best Local Similarity 100.0%; Pred. No. 9.3e+05;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                      Length 9;
                                                                                                                  Indels
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                                                                                      100.0%; Score 47; DB 22;
100.0%; Pred. No. 9.3e+35;
                                                                                                                                                                                                                                                                                                                                         Human 1gE immunogenic peptide SEC ID NC: 1.
                                                                                                                   0; Mismatches
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                                                                                                                                                                                                                                                     ABJ00217 standard; Peptide; 9 AA
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                                                                     Query Match
Best Local Similarity Tou.v.
Best Local Similarity
                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                      vaccine, antiallergic
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                                                                                                                                                : EDGOVMDVI 9
                                                                                                                                                                            EDGDVMDVP 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Friede M. Mason S.
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                                                          9 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                               WC200216409-A2
                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                               02-SEP-2002
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                                                            Sequence
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ABJ00217
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Saps

RESULT 7

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Surface exposed aroup/epitope (E1) of Clepsion-2 domain [5] or surface exposed aroup/epitope (E1) of Clepsion-2 domain [5] or immunoden [11] or treating allowing the Association of Association [12] or treating allowing the Association [13] or treating an absociation and Association [13] or treating an avactine and in the manufacture of medical and Association [13] or treating allowing allowing allowing and association [13] or treating and Association [13] or treating allowing allowing an indicators and also in annihabition [13] or treating around a partient susceptible for treating allowing al
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Poptides useful for treating, preventing and amilioration allergic diseases, comprising an isolated surface expused group of a specific
                                                                                    Epirope, mimorope, human, immunoglobulin E, IgE, C-epsilon-2 domain, allergio diseaso, immunoprophylaxis, immunotherapy, antiallargio, immunosuppressive, vaccine, histamine release inhibitor, immunogen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       E, Lamont A, Mason S Vinais De Bissols Y';
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              c:
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Matches 9; Conservative 0; Mismutches 6; Hibsts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Fileda M, Greenwood J. Bewitt
Turnall WG, Van Mechalen MP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SMIK ) SMITHKLINE BEECHAM BIOLOGICALS. (PEPT) PEPTICE THERAPEUTICS LID.
                                            Pl mimotope peptide Pist SEQ ID NO:23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure, Page 9; 129pp, English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          domain from imminoglobulin E
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9968-0021046.
9968-0021047.
9968-0025619.
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99GB-0007151.
99GB-0010537.
99GB-0010538.
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  05 JAN 2001 (first entry)
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                                                                                                                                                                   allergy; atopy
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29-XAR-19999
07-XAY-19999
07-XAR-19999
07-XGR-19999
07-AUG-19990
07-AUG-19990
07-SEF-19999
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29-OCT 1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Seguence
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The present invention relates to inhage methodology for use in the conjugation of corpounds (e.g. peptides) to carrier vehicles

(e.g. macronoleouies, polymers, dendrimers, proteins) to produce to incloanced and immunological constructs. The invention provides a method for linking an epitope (e.g. a peptide) to a carrier (e.g. a protein; for use in a pharmaceutical composition or a vaccine. The invention describes peptides derived from or mirotopes of the composition of describes peptides derived from or mirotopes of the invention describes peptides derived from or mirotopes of the compositions of the invention are used to produce conjugated compounds. The compounds or compositions of in invention are used to produce ronjugated diseases. The invention allows for controlled conjugation of a peptide epitope (antigen) to a protein so as to form an immunogenic conjugate which may be able to raise a protective antibody response in an animal or human patient.

AAJ16622-AAJ16923 represent peptides derived from or mimospes of the Cepsilon2/Copsilon3/Cepsilon4 region of human 1gE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A linkage comprising an immunogenic conjugate useful treatment of IgE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                         Peptide P15t derived as mimotope of Cepsilon2 region of human 1gE
                                                                                                                                                        Human, linkage technology, conjugated compound, carrier vehicle, epitope, Cepsilon2, Cepsilon3, Cepsilon4, immunoglobulin E, igE mediated disease, antibody response.
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(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 4; Page 21; 48pp; English
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                      AAU16654 standard; Peptide; 10 AA
                                                                                                                                                                                                                                                                                                                                                                                      21-DEC-1999; 99GB 003023).
22-FEB-2000; 2000GB 0004096.
22-AUG-2000; 2000GB-0020707.
22-AUG-2000; 2000GB-0020708.
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                                                                                        (first entry)
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hes 9, Conservative
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                                                                                                                                                                                                                                   Homo sapiers
                                                                                        07-NOV-2001
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                                                                                                                                                                                                                                                    Synthetic.
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                                                       AAU16654;
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ABJ00228
AAU16654
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The present invention relates to computates suitable for use in vaccines, where the compudate comprises a discipline bridge cyclised paptide and an armunogenic carrier. The vaccines can be used in the treatment of allorgies. The present sequence is a peptide immunopen derived from human armunoglobulin B (19B) suitable to be cyclised and used in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         lmmunoglobulin E, IgE, immunogenic, immunogen; Frotein D, carrier;
prostate cancer, Haemophilus influenzae; vaccine; infections disease;
malaria; cytostatic; antialisegic; nootropic; neuroprofective;
protozoacide; Alaheimer's disease; allerby.
                                                                                                                          Immunogen; human; IgE; immunoglobulin E; alleigy; tolo ether linkage;
vaccine; antiallergio.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conjugate for use in vaccine for treatment of alloyyy, comprises disalfide bridge cyclized peptide and immunogenic carrier
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Score 47; DB 23; Length 10; 100.0%; Pred. No. 0.011; ative 0; Mismatches 0; Indels
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                                                                                   Human 1gE immunogenic peptide SEQ ID NO: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CAMIK ) SMITHKLINE BEECHAN BIOLOGICALS (PERT) PEPTIDE THERAPEUTICS LID.
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                             first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2002-489648/52
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Modified-site
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                             02-SEP-2002
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The present invention describes an immunogen (1) comprising a peptide (1a) and a carrier (1b) derived from protein D of Haemophius influenced or its fragment. Also described are: (1) a vaccine comprising (1), and an exiptent; (2) preparation of (1), comprising conjugating a peptide to protein D or its fragment; and (3) preparation of a vaccine of (1), and the vaccine of (1) with an excipient; (1) has cytostatic, antialisers, nootropic, neuroprotective and protozoacide activities. (1) and the vaccine are useful for the manufacture of a medicament for preventing and treating infectious diseases such as malaria or chronic disease such as cancer, Alzheimer's diseases such as malaria or chronic clinke prior art immunogens. (1) induces high levels of antipeptide carrier. The present sequence represents a specifically claimed carrier. The present sequence represents a specifically claimed minocope peptide sequence, which can be used in an immunogen of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                 immunugens and vaccine comprising the immunogen useful for preventing and treating infectious diseases e.g. malaria and chronic disease e.g. cancer, comprises peptide and carrier from protein D of influenzae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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allergic disease, immunoprophylaxis, immunotherapy, antiallergic,
immunosuppressive, vaccine, histamine release inhibitor, immunogen;
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                                                                                           (SMIK ) SMITHKLINE BEECHAM BIOLUGICALS.
                                                                                                                        Van-Mechelen MP,
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                                                                                                                                                                                                                                              Claim 10; Page 38; 53pp; English
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99GB-0007151.
99GB-001C537.
99GB-001C538.
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99GB-0004406.
99GB-0004412.
99GB-0019260.
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Tes 9; Conservative
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             25-FEB-1999;
25-FEB-1999;
25-FEB-1999;
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29-MAR-1999;
07-MAY-1999;
07-MAY-1999;
07-AUG-1999;
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                                                            13-AUG-1999;
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25-FEB-1999;
29-XAR-1999;
07-XAY-1999;
07-XAY-1999;
07-AUG-1999;
07-AUG-1999;
                                                                                                                     07.SEP-1999;
07.SEP-1999;
29-OCT-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               05 JAN 2001
                                                                                                                                                                                                                                                                          Randall R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Seguence
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                                                                                                                                                                                                                                                              Jyson M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB25917
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Sufface exposed group/epitope (B) of C epsilon-2 dimain (6. of imminoglobulin & 1926), or its mirotope Asso described area () an imminoglobulin & 1926, or its mirotope Asso described area () an imminoglobulin & 1926, or its mirotope (1); (2) a vaccine (1); (3) a light (1); (2) a vaccine (1); (4) for treating all evidencial (1); (3) a light (1); (4) repable of imminogen (1); (5) a peptide (3) capable of bornog recognissing (1); (2) recognissing (1); (3) a peptide (3) capable of bornog recognised by (1); (4) indicating (1); (1) and (1); (2) and percent and in the manufacture of implication (1); (1) are used and prevention all strains reflect in medicine and in the manufacture of implication (1); (1) and (1) are useful in medicine and in the manufacture of implication (1); (2) and prevention all ergies. (1) is useful in displaying from the profile (1) and 
                                                                                                                                                                                                                                        Peptides useful for treating, preventing and ameliorating affergic diseases, comprising an isolated surface exposed group of a specific domain from immunoglobulin E.
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                                                                                                                                                       i, Jamoni A, Mason S
Vinals Je Bassols YC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Coery Match 100.0%; Schroff, TB 11: Leigth in. Best Local Similarity 100.0%; Pref H 11.1.4; Matches 9; Constructive C, Mismirches 1, 1 Elli
                                                                                                                                                     Greenwood J, Hewitt E, WG, Van Mechelen MP, Vit
                                                                                                    SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.
(PEPT ) PEPTIDE THERAPEUTICS LTD.
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                                                                                                                                                                                                                                                                                                              Claim 14; Page 9; 129pp; English.
99GB-001B6G3.
99GB-0021346.
99GB-0021347.
99GB-0025619.
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                                                                    99GB 0027698
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                                                                                                                                                       Dyson M, Friede M,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MC20055440-81
07 - AUG - 1999;
07 SEP - 1999;
07 SEP - 1999;
29-007-1999;
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                                                                  23-NOV-1999;
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                                                                                                                                                                         Randall R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE25916;
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The present invention describes a peptide [1] comprising an isolated surface exposed group/epitope [81] of C-epsilon 2 domain [0] of immunodiobulin E (19E), or lise minotope. Also described are: 1) an immunodiobulin E (19E), or its minotope. Also described are: 1) an immunogen [11] for treating allergy comprising [1], [2] a vaccine [11] or treating allergy comprising [1], [3] a vaccine [11] or treating allergy comprising [1], [3] a vaccine [11] or producing [1], [4] a pharmaceutical composition [PC] comprising [1], [1] or producing [1], [1] or periodic [1] or producing [1], [1] or producing [1], [1] or producing [1], [1] or producing [1], [1] or can have antiallergy and immunosuppressive activities, and can be used as a vaccine and historian release inhibitor [1], [1] are useful in medicine and in the manufacture of medicaments for treating and preventing allergies. [1V] is useful for identifying minotopes of PI, [2] or defining anti-19E antibodies from blood. [1], [11] and PC are useful for treating a pation: sisceptible to or suffering from allergies. [1V] is also useful in diagnosing atopy. AABE5997 to AABE699 represent producing invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Peptides useful for treating, preventing and ameliorating allergic diseases, comprising an isolated surface exposed group of a specific domain from imminoglobulin E.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Greenwood J, Hewitt E, Lamont A, Mason S
43, Van Mechelen MP, Vinals De Bassols YC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                (SMIK.) SMITHKLINE BEECHAM BICLOGICALS (PEPT-) PEPTIDE THERAPEUTICS LTD.
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9900B . 0001162
9900B . 00001181
9900B . 0000181
9900B . 0011859
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, Turnell WG,
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Example 4: Page 21: 48pp; English.
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                                                                                                                                                                    21-DEM-2000, 2000WD GB04935.
                                                                                                                                                                                                  21 DEC-1999; 95.8F-6636245.
22-FEB-2000; 2003GB-0064696.
22-AUG-2000; 2003GB-0020707.
22-AUG-2000; 2000GB-0020708.
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mediated diseases
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                                                                                                                                                                                                                                                                                                                              Johnson T;
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                                                             Horo sapiens.
Synthetic.
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                                                                                                                                         28 - JUN - 2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Saps
                                                                                                                                                                                                                                                                                                                                                                                                         Peptides useful for treating, preventing and ampliciating alloring diseases, comprising an isolated surface exposed group of a specific domain from immunoglobulin E
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MG, Van Mechelen MP, Vinals De Bassels MT;
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Best Local Similarity 100.0%; Pred. No. 0.014;
Matches 9; Conservative 0; Mismatches 6; Indele
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                                                                                                        99028 - 0004405.
9908 - 0007151.
9908 - 0010537.
9908 - 0018694.
9908 - 0018603.
9908 - 0018603.
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                 WC2C705946,-A1.
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                                                                                                        25-FES-1999;
29-MAR 1999;
07-MAY:1999;
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Randall R.
                                               31-ATG-2090
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07-88P-1
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07-AUG 1
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AAU16639
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The present invention relates to tinkage methodology for use in the conjugation of compounds (e.g. peptides) to carrier vehicles

(e.g. macrobleoules, polymers, dendrimers, proteins) to produce biological constructs. The invention provides a protein of the produce of the protein of the provides a protein of the protein of the provides a protein for use in a pharmaceutical composition or a vaccine. The invention describes peptides derived from or mimotopes of the compounds or cepsilons, Cepsilons or the invention are useful in the manunoglobulin E (19E) which are used to produce conjugated compounds. The compounds or compositions of the invention are useful in the manufacture of a protein so as to form an immunogenic conjugate which may be able to protein so as to form an immunogenic conjugate which may be able to that 632-AAU16613 represent peptides derived from or mimotopes of the Capailon3/Copsiloni region of human 19E.
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Human, linkage technology, conjugated compound, carrier vehicle, epitope, Cepsilon2, Cepsilon3, Cepsilon4, immunogicbulin E, IgE mediated disease, antibody response.
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(SMIK.) SMITHKLINE BRECHAM BIOLOGICALS.
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21-DEC+2000; 2000WO-GB04935

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The present invention relates to innkage methodology for use in the conjugation of compounds (e.g. peptides to carrier whiches to conjugation of compounds (e.g. peptides to carrier whiches to biological conscious), printens, to priduce the project of the conjugation of constitutions in provides a project of invention provides a project of in a pharmaceutrol, compastion, or a variable. The invention describes peptides desired, compastion or a variable of the compositions of the invention are used to produce conjugate compastions of the invention are used to produce compasted compastions of the invention are used to produce compastion the maintaining of redicated to the invention are used to produce compasted finems in the maintaining of redicated to controlled conjugation of a jeptide epitite of the invention of a jeptide epitite of the transfer of a lower of inserts and the form an immunogenty occlusted which may be able to produce the analody response in an annual controlled conjugation of a jeptide epitide epitide epitide epitide epitide analogy is a profession.
                                                                                                                                                                                                                                                                                                                 A linkage comprising an immunogenio conjudate uspiul treatrent of 19E mediated diseases
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(SMIK ) SMITHKLINE BEBCHAM BIOLOGICALS
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                                                                                                                        21 350-1999; 9968-0030233.
22-PEB 2000; 2000GB-0004096.
22-AUG-2000; 2000GB-0020707.
22-AUG-2000; 2000GB-0020008.
                                                                                            21-DEC 2000; 2000WO-GB04935
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                             WG280145745-A2.
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AAU16642
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the CepsilonE/Cepsilon3/Cepsilon4 region of number the
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AAU.6642 standard, Peptide, 13 AA
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Peptide PISG derived as mimotope of Pipsiloni Handon forman 1gE

Human, linkage technology, conjugated purpossible satisficity and objection of copilogy Cepsilon), Cepsilond, Cepsilond, Sepsilond, Sepsilond,

AD20-145745 A2

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The present invention relates to innhage methodology for use in the conjugation of compounds (e.g. paptides) to carrier vehicles

(e.g. macronolecules, polymers, denderimens, proteins) to produce biological and immunological constructs. The invention provides a protein for use in a pharmaceutical composition or a vactime. The invention describes peptides derived from or minotopes of the invention describes peptides derived from or minotopes of the compositions. Cepsilons of the invention are used to produce conjugated compounds. The compounds or compositions of the invention are useful in the manufacture of a compositions of the invention are useful, in the manufacture of a protein so as to form an immunogenic conjugate which may be able to rise a profective antibody response in an animal or human patient. Adult632-Adult6913 teptesent peptides derived from or mimotopes of the Cepsilon2/Cepsilon3/Cepsilon4 region of human igE.
                                                                                                                                                                                                                                                                                           comprising an immunogenic conjugate useful treatment of 1gE
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(SMIK ) SMITHKLINE REECHAM BICLOGICALS.
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                                                 21-DEC-1999; 9938-0330233.
22 FEB-2000; 2000GB-0004096.
22-AUG-2000; 2000GB-0020707.
22 AUG-2000; 2000GB-0020708.
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Sequence 136, App
Sequence 7, App
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Sequence 136, App
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Sequence 127, App
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// cgn2 6/ptodata/2/pubma/USC7_NEW_PUB.prp:
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// cgn2 6/ptodata/2/pubma/USC7_FUBCOMB.prp:
// cgn2 6/ptodata/2/pubma/USC9_FUBCOMB.prp:
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GenCore version 5.1 6
Copyright (c) 1993 - 2003 Compagen Ltd.
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US-10-372-074-34
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Maximum Match 100%
Listing first 45 summaries
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Gapop 10.0 , Gapext 0.5
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Sequence 127, Application US/10372076
Publication No. US2030198645A1
GENERAL INFORMATION:
APPLICANT: Fage, Mark
APPLICANT: Factode, Martin
TITLE OF INVENTION: STABILIZED HBG CHIMER PAPTICLES AS THERAPEUTIC VACCINE FOR TITLE OF INVENTION: CHRONIC HEPATITIS

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Gaps

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Length 9; Indels

100.0%; Score 47; DB 12; 100.0%; Pred. No. 5.8e+05; tive 0; Mismatches 0;

Best Local Similarity 160. Matches 9, Conservative

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RESULT 2 US-10-372-076-127

LENGTH: 9
TYPE: PRT
ORGANISM: Homo sapiens

US-10-082-014-273 Query Match

0.0 347 15 US-10-152-190-15 0.0 347 15 US-10-152-190-13 0.0 426 15 US-10-152-190-13 0.0 426 15 US-10-1214-524-26 0.0 427 11 US-09-916-230-1 0.0 428 10 US-09-916-230-1 0.0 428 14 US-10-047-542-60 0.0 428 14 US-10-047-542-60 0.0 574 12 US-10-050-998-176 0.0 574 12 US-10-050-998-176 0.0 574 12 US-10-050-98-176 0.0 574 12 US-10-050-98-176 0.0 574 12 US-10-050-98-176 0.0 574 12 US-10-050-98-176 0.0 574 12 US-10-050-98-176 0.1 US-09-08-176 0.2 54 15 US-10-047-542-8 0.3 10 US-09-98-13 0.4 12 US-10-047-14113 0.7 980 9 US-09-98-13 0.8 11 US-09-98-13 0.9 12 US-10-170-170 0.8 11 US-10-139-66-9 0.9 15 US-09-98-13 0.9 10 US-09-	1	18	4			,		
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47 100.0 347 15 US-10-12-190-13 47 100.0 426 15 US-10-12-190-13 47 100.0 426 15 US-10-24-524-26 47 100.0 428 10 US-09-946-230-1 47 100.0 428 10 US-09-949-375A-1 47 100.0 428 1 US-10-047-542-60 47 100.0 428 1 US-10-047-542-60 47 100.0 574 12 US-10-050-998-176 47 100.0 574 12 US-10-050-998-176 47 100.0 574 12 US-10-050-998-176 47 100.0 574 14 US-10-050-998-176 47 100.0 574 14 US-10-050-998-176 47 100.0 574 12 US-10-050-998-176 48 10 US-09-986-224-2 37 78.7 98 0 9 US-09-986-224-2 37 78.7 98 0 10 US-09-986-224-2 37 78.7 1178 14 US-10-021-856-9 36 76.6 483 15 US-10-128-714-3134 37 74.5 33 15 US-10-128-714-3134 38 74.5 33 15 US-10-128-714-3134 39 74.5 33 15 US-10-128-714-3134	Sequence 12, Apple Sequence 13, Apple Sequence 17, Apple Sequence 176, Sequence 176, Sequence 176, Sequence 177, Sequence 177, Sequence 177, Sequence 177, Apple Sequence	(7 .	000			US-10-152-190-12	Sequence 12, Appl
47 100.0 426 15 US-10-27-49-27-19-27-4-52-19-27-4-52-19-27-4-52-19-27-4-52-19-27-4-52-19-27-4-52-19-27-4-52-19-27-4-52-19-27-47-100.0 428 1.0 US-09-949-97-57-10-10-10-10-10-19-949-97-57-10-10-10-10-19-949-97-57-10-10-10-10-10-19-949-97-57-10-10-10-10-10-10-10-10-19-949-97-57-10-10-10-10-10-10-10-10-19-949-97-57-10-10-10-10-10-10-19-949-97-97-9-97-9-97-9-97-9-97-9-97-9	Sequence 26, App Sequence 26, App Sequence 1, App Sequence 176, Sequence 176, Sequence 171, Sequence 1, App Sequence 13, App Sequence 1, A	J (4	3 8			US-10-152-190-13	Sequence 13, App.
47 100.0 427 11 US 09.847-208-5 47 100.0 428 10 US-09-949-375-1 47 100.0 428 10 US-09-949-375-1 47 100.0 441 10 US-09-949-3758-7 47 100.0 574 12 US-10-949-3758-7 47 100.0 574 12 US-10-09-97-208-7 47 100.0 574 12 US-10-09-97-176 47 100.0 574 12 US-10-08-97-176 47 100.0 574 12 US-10-08-97-176 47 100.0 574 12 US-10-08-97-18-5 47 100.0 574 12 US-10-18-5 47 100.0 574 12 US-10-18-5 47 100.0 574 12 US-10-196-14-1 47 100.0 574 12 US-10-196-14-1 48 1 18 12 US-10-18-13-18-18-18-18-18-18-18-18-18-18-18-18-18-	Sequence 5, April Sequence 5, April Sequence 1, April Sequence 60, April Sequence 17, Apr	, r.	4. 4	2 5			1.5-1.0-1.5-1.0-1.1	Sequence 11, App.
47 100.0 428 10 US 09-916-230.1 47 100.0 428 10 US 09-949 375A-1 47 100.0 441 10 US 09-949 375A-7 47 100.0 574 12 US 09-849-375A-7 47 100.0 574 12 US 10-050-898-176 47 100.0 574 12 US 10-050-898-176 47 100.0 574 12 US 10-050-898-176 47 100.0 574 14 US 10-047-542-45 47 100.0 574 14 US 10-047-542-45 48 10.0 592 15 US 10-024-655-31 49 10.0 592 15 US 10-024-13 78 7 821 10 US 09-848-035-13 78 7 821 10 US 09-848-035-13 78 7 10-49 12 US 10-021-856-9 78 7 10-49 12 US 10-021-856-9 76 6 838 15 US 10-021-866-535 76 6 838 15 US 10-021-888-3 76 76 6 383 15 US 10-128-714-3134 76 76 7 139 9 US 10-128-714-3134	Sequence 1, Apply Sequence 176, Sequence 176, Sequence 334, Sequence 2, Apply Sequence 2, Apply Sequence 2, Apply Sequence 1, Apply Sequen	100		3 6			1.5 09-847-208-5	Segmenter to apply
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47 100.0 428 14 US.10-677-547-60 47 100.0 441 10 US.00-949.378.7 47 100.0 574 12 US.10-050-988-176 47 100.0 574 12 US.10-050-988-176 47 100.0 574 14 US.10-050-988-176 47 100.0 574 14 US.10-050-962-176 47 100.0 574 12 US.10-050-988-176 47 100.0 574 12 US.10-0514-524-37 47 100.0 574 12 US.10-0214-524-37 47 100.0 574 12 US.10-144-188-55 38 80.9 249 15 US.10-186-55 39 78.7 821 10 US.09-848-035-12 37 78.7 980 9 US.09-848-035-12 37 78.7 980 10 US.09-986-224-13 37 78.7 980 10 US.09-986-224-13 37 78.7 980 10 US.09-986-224-13 37 78.7 1049 14 US.10-239-663-42 36 76.6 438 15 US.10-738-626-5303 37 74.5 328 15 US.10-128-74-3134 38 74.5 328 15 US.10-128-74-3134 39 74.5 328 US.10-128-74-3134	Sequence (5) A Sequence (5) A Sequence (7) Ap Sequence (7) Ap Sequence (7) A Sequence (7) A Sequence (7) A Sequence (7) Ap Sequence (7) Ap Sequence (7) Ap Sequence (7) Ap Sequence (7) A	24	1.	00			US-09-949-375A-1	Sequence 1, Appli
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47 100.0 574 12 US:10-050-902-176 47 100.0 574 14 US:10-047-542-45 47 100.0 574 15 US:10-027-658-334 47 100.0 592 15 US:10-027-658-334 41 87.2 10 12 US:10-144-188-55 38 80.9 249 15 US:10-144-188-55 39 78.7 98.0 19 US-09-986-224-2 37 78.7 98.0 10 US-09-986-224-13 37 78.7 98.0 10 US-09-986-224-13 37 78.7 98.0 10 US-09-986-224-13 37 78.7 1178 12 US:10-078-658-3 36 76.6 383 15 US:10-078-656-5303 37 74.5 328 15 US:10-128-714-3134 35 74.5 328 15 US:10-128-714-3134 35 74.5 328 US:10-128-714-3134	15 Sequence 176, 334 37 Sequence 37, 4 Sequence 37, 5 Sequence 3134, 5 Sequ	28	47	100.0			US-10-050-898-176	Sequence 176, App
47 100.0 574 14 US.1C-047.542-45 47 100.0 592 15 US.1C-047.542-45 47 100.0 592 15 US.1C-0.27-655.334 41 87.2 10 12 US.1C-144-188-55 38 80.9 2.9 US.0C-156-761.14123 37 78.7 821 10 US.0C-988-035-2 37 78.7 821 10 US.0C-988-035-13 37 78.7 10.49 12 US.0C-988-035-13 37 78.7 10.49 12 US.0C-0.239-663-42 36 78.6 48.3 15 US.1C-0.239-663-42 36 78.6 48.3 15 US.0C-0.41-856-9 37 78.7 1178 14 US.1C-0.28-7:4-3134 38 74.5 33 0 15 US.0C-78-776-170 38 74.5 33 0 15 US.0C-78-776-170 39 74.5 33 0 15 US.0C-78-776-170 39 74.5 33 0 15 US.0C-78-776-170 39 74.5 33 0 15 US.0C-78-774-8134	Sequence 45, A Sequence 31, A Sequence 334, Sequence 334, Sequence 14:13 Sequence 14:13 Sequence 13, Apply Sequence 10, Apply S	29	47	100.0			US-10-050-902-176	Sequence 176, App
47 100.0 574 15 US:10-214-524-37 47 100.0 59 15 US:10-207-655-334 41 87.2 10 15 US:10-207-655-334 41 87.2 10 US:00-144-188-55 37 78.7 821 10 US:00-986-035-2 37 78.7 980 10 US:00-986-035-13 37 78.7 1049 12 US:10-239-667-42 37 78.7 1178 14 US:10-239-667-42 37 78.7 1178 14 US:10-239-667-42 36 76.6 383 15 US:10-216-656-53 37 74.5 32 15 US:10-128-71-4134 35 74.5 33 0 15 US:10-128-71-4134 35 74.5 33 0 US:00-9815-242-10702	334 Sequence 337, A Sequence 334, Sequence 334, Sequence 34, App Sequence 2, App Sequence 13, App Sequence 10, App Sequence 1	30	7.	100.0			US-10-047-542-45	Sequence 45, Appl
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39 8C,9 249 15 US:16-156-761-14123 37 78.7 821 10 US-09-848-035-2 37 78.7 821 10 US-09-848-035-13 37 78.7 980 9 US-09-886-254-13 37 78.7 1349 12 US-09-986-24-13 37 78.7 1178 14 US:10-0219-663-42 36 76.6 833 15 US-10-08-70-170 36 76.6 459 10 US-09-988-714-3134 35 74.5 32 15 US-10-128-714-3134 35 74.5 33 0 15 US-10-128-714-3134 37 70.2 139 9 US-09-815-242-10702	14113 Sequence 14.13 Sequence 2, App Sequence 13, App Sequence 170, Sequence 170, Sequence 110, Sequence 1114, Sequence 1114, Sequence 10702, Sequence 107	33	4 1	67				Sequence 55, Appl
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35 74.5 328 15 US-10-128-714-3134 35 74.5 330 15 US-10-128-714-8134 33 70.2 139 9 US-09-815-242-10702 ALIGNMENTS	1134 Sequence 3134, Sequence 10702, Sequence 1	4.2	36	16			US-09-738-626-5303	Sequence 5303, Ap
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Publication No. US200006963691
GENERAL INFORMATION
ADPLICATION NO. US200000936941 anaphylactogenic ig6 vaccines
File Reperence Folloida
CURRENT APPLICATION NO. US2000009696941 anaphylactogenic ig6 vaccines
CURRENT APPLICATION NO. US2000009696941 anaphylactogenic ig6 vaccines
CURRENT FILING DATE: 2002-05-21
NORMER OF SEQ ID NOS: 28
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Query Match

Best Local Similarity 100.0%; Pred. No. 0.4;

Matches 9; Conservative 0; Mismatches 0; Indels 1
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                                                                                                                                                         Query Match 100.0%; Score 47; DB 12; Length 10; Best Local Similarity 100.0%; Pred. No. 0.012; Matches 9; Conservative 0; Mis-atches 0; Indels
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// ORGANISM: Modified Human CH2 domain
US-10-152-190-7
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/ Sequence 6, Application US/09847208
/ Publication No. US2030082190A1
/ Publication No. US2030082190A1
/ Publication No. US2030082190A1
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// Publication No. US20030096369A1
// GENERAL INFORMATION:
       TYPE: PRT CRGANISM: Homo sapiens
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TYPE: PRT
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US-10-152-190-9
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Sequence 282, Application US/10082014

Sequence 282, Application US/10082014

Sequence 282, Application US/10082014

SEQUENCE 282, Application US/10082014

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SITES SEREMEMORE 1707-130.0 4564/95124

CURRENT APPLICATION NUMBER: US/10/282.114

CURRENT APPLICATION NUMBER: US/10/282.114

CURRENT SILING DATE: 2002-02-2

PRIOR FILING DATE: 2001-08-15

NUMBER: OF SEQ. ID NOS: 290

NUMBER: PATERILIN VERSION 3.1
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Publication No. USZ-001986454

GENERAL INFORMATION:

APPLICANT: Page, Mark

APPLICANT: Page, Mark

APPLICANT: Firede, Markin

TITLE OF INVENTION: STABILIZED HBC (SIMER FACTIOLS AS CHESAPECTIC VACUINE FOR

FILE REPERENCE: 45.44/80179

CURRENT APPLICATION NUMBER: US/10/312,776

CURRENT APPLICATION NUMBER: 10/080,239

PRIOR FILING DATE: 2002-02-21

PRIOR PLING DATE: 2002-02-21

PRIOR PLING DATE: 2002-02-22

NUMBER OF SEQ ID NOS: 308
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Fest Local Similarity 100.0%; Pred. No. 5.8e-55;
Matches 9; Conservative 0; Mishatches 0; Indels
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                                                 US/10/372,076
FILE REFERENCE: 45.64/87179
(UNRENT APPLICATION NUMBER: US/10/3/2,0
UNRENT FILING DATE: 2003-02-21
PRIOR APPLICATION NUMBER: 10/080,299
(AIOR FILING DATE: 2002-02 21
PRIOR APPLICATION NUMBER: 10/082,014
PRIOR FILING LATE: 2002-02 22
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SEG IN NO 12/
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GROANISM: Homo saptens
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US-10-372 076 127
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US-09-949-375A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 100.0%; Score 47; DB 10; Length 323; Best Local Similarity 100.0%; Pred. No. 0.57; Matches 9; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                       Length 323;
                                                                                                                                                                                                  Query Match 100 0%; Score 47; DB 10; Length 3
Best Local Similarity 100.0%; Pred: No. 0.57;
Matches 9; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 4, Application US/099493754
Patent No. USCO20172673A1
GENERAL INFORMATION.
I TAPLICATI KLYSNES, Steen et al.
ITTLE OF INVENTION. WITHOD FOR DOWN-REGULATING IGE
FILLE REPERENCE 3631-0111P
CURRENT PELLOATON NUMBER: US/09/943,375A
CURRENT FILING DAIE: 2022-01-18
NUMBER OF SEG ID NOS: 38
SEG ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: KLYSNER, Steen et al.
TITLE CF INVENTION METHOD FOR DCWN REGULATING IGE
FILLE REFERENCE: 363:-0111P
CURRENT APPLICATION NUMBER: US/09/943,375A
CURRENT FILING DATE: 2002-01-18
SCFTWARE: Patentin version 3.1
SEC ID NO 6
                     LOCATION: (1677)..(175)
OTHER INFORMATION: Epitope in DE Loop
PEATURE:
                                                                                     NAME/KEY: MISC PEATURE
LOCATION: (196)...(206)
OTHER INFORMATION: Epitope in FG loop
US-09-949-375A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          , Sequence 6, Application US/09549375A
, Patent No. US26020172673A1
, GENERAL INFORMATION:
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CRGANISM: Artificial Sequence
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CRGANISM: Artificial Sequence
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NAME/KEY: MISC FEATURE
LOCATION: (167)..(175)
                                                                                                                                                                                                                                                                                                                                           46 EDGQVMDVE 54
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US-09-949-375A-4
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              APPLICANT: Zhu, Jacoheng
TITLE CF INVENTION: FUSION MOLECULES AND TREATMENT OF
TITLE CF INVENTION: AGE-MEDIATED ALLERGIC DISEASES
FILE BEFFERENCE: UCT:002A
CHREENT APPLICATION NUMBER: US/09/847,208
CHREENT FILING DATE: 2001-05-01
NUMBER OF SEQ ID NOS: 177
SCFTWARE: FASTSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 2, Application US/0949375A
Patent No. US20020172673A1
GENERAL INFORMATION:
GENERAL INFORMATION:
FILE OF INVENTION: METHOD FOR DOWN PEGILATING IGE
FILE REFERENCE: 341-0111P
CURRENT APPLICATION UNDER: US/09/940,105A
CURRENT APPLICATION UNDER: US/09/940,105A
CURRENT APPLICATION UNDER: US/09/940,105A
CURRENT APPLICATION UNDER: US/09/940,105A
CURRENT FILING DATE: 2002-21-18
SOFTWARE: Patentin version 3.1
SOFTWARE: 10 NO.2
LENGTH: 323
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OTHER INFORMATION: Human IgE heavy chain C4 domain
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OTHER INFORMATION Human 198 boavy chain Co doments
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OTHER INFORMATION: Human 1gB beavy chain CA domain
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CTHER INFORMATION: Linker between domains () and
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10CATICN: (100)..:114)
CTHER INFORMATICN: Epitope including CZC* linker
FRATURE:
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LOCATION: (1647]...111)
CTHER INFORMATION: Linker between domains
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LCCATION: [139]...145)
OTHER INFORMATION: Epitope in BC Lup
PEATURE:
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OTHER INFORMATION: Epitope
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Best Local Similarity 100.
Matches 9; Conservative
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CRCANISM: homo sapiens
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US-09-847-208-6
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APPLICANT: Zhu. Daoch
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NAME/KEY: COMAIN
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NAME/KEY: DOMAIN
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NAME/KSY: DOMAIN
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NAMEŽKEV: DOMATN
LOCATION: 19.1 TOA
STHER INFHRACION: 198 LEAVY CHAIL 12 domath
PRICR APPLICATION NUMBER: US/09/401,636
PRICR FILING DATE: 1999-09-22
PRICR APPLICATION NUMBER: US 60/106,652
PRICR FILING DATE: 1998-11-02
NUMBER OF SEQ 10 NGS: 11
SOFTWRE: FastSEQ for Windows Version 4.0
SED 10 NG 1
LENGTH: 33:
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// Publication No. US20030118592A1
// GENERAL INFORMATION:
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, Patent No. US20020172673A1
, GENERAL INFORMATION:
                                                                                                                                                                            TYPE. PRT
ORGANISM: Altificial Sequence
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Best Local Similarity 100.
Matches 9, Conservative
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CRCANISM: Nome saptems
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LENGTH: 336
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LENSTH: 331
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Description 100,0%; Score 47; 3P 10; Lyngth 347;

Pest Local Similarity 100,0%; Pref. Ro. 0,58;

Matches 9; Conservative 0; Mismatches 0; Indelia
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                                                               PESULT 11
18-09-949-375A-10
Sequence 10, Application US/09349374A
Sequence 10, Application US/09349374A
Setence 10, Application US/09349374A
GENERAL INFORMATION:
APPLICANT: KLYSNER, Steen et al
TITLE OF INVENTION: METHOD FOR DOWN-REGULATING 13E
FILE REFERENCE: 3031 0131P
CURRENT APPLICATION KUMBER: US/09/943, 035A
CURRENT APPLICATION KUMBER: 2002-01-18
KUMBER OF SEQ 10 NOS: 38
SOFTWARE: Patentin Version 3.1
SEQ 10 NO 10
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Patent No. US20010018843A1
GENERAL INCRMATION.
APPLICANT Hellman Lars 7.
TITLE OF INVENTION. ENHANCED VACITIES
FILE REFERENCE 1023/05001
CUPRENT APPLICATION NUMBER: US/09401, FHE CUPPENT FILLING DATE: 1999-09-22
PRICE APPLICATION NUMBER: US 66/106,651
PRICE APPLICATION NUMBER: US 66/106,651
NUMBER OF FIGURE OF 85
NUMBER OF SEG 10 N 6: 11
SOFTWARE FEATURE OF 85
SEG 10 N 6: 11
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PUDDICATION NO. US20030031663A1
GENERAL INFORMATION:
TITLE CF INVENTION: BAHANCED VACCINES
FILE REPRESENCE: 10033/00601
FULE REPRESENCE: 20033/00601
FULE REPRESENCE: 20033/00601
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PEATURE:
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Matches 9, Conservative
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       46 EDGQVMDVD 54
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US-10-176-664-1
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US 09:401 6:6 1
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APPLICANT: Ledbetter, Jeffrey A.
TITLE OF INVENTION: SINDING COMAIN-IMMUNGLOBULIN FUSION PROTEINS
FILE PERENDER: 3900-69, 4010.
CURRENT APPLICATION NUMBER: US/10/207,655
NUMBER OF SEQ. 10 NOS: 426
SOFTWARE: PATENTION VEXETON 3.0
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Best Local Similarity 100.00, Pred. No. 0.59;
Matches 9; Conservative 3; Mismatches 6; Indels 3
                                                                        100.0%; Score 47; DB 15; Length 331;
100.0%; Pred, No. 0.59;
11ve 6; Mismatches 0; Indels
                                                                                                                             Indels
OTHER INFORMATION: Synthetically generated profeins
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TITLE OF INVENTION: METHOD FOR DOWN-REGULATING IGE
FILE REFERENCE: 363:-0111P
CURRENT APPLICATION NUMBER: US/09/949,375A
CURRENT FILING DATE: 2603-01:18
NUMBER OF SEQ ID NGS: 38
SCFTWARE: Patentin version 3:1
                                                                                                                          6; Mismatches
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Query March.

100.0%; Score 47; 5H 10: 1-cgth 116.

Best Local Similarity 100.0%; Pred. Re. 0.6;

Matches 5; Constructive 6; Visharthes 5; 1140;
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NAME/KEY: MISC FEATURE
LOCATION: (212)...(21b)
OFFER: INFORMATION: Linker between domains Cv and C4
FEATURE:
NAME KEY: MISC FEATURE
LOCATION: (100)...(14)
OTHER INFORMATION: Epitope including C/C4 linker
NAME/KEY: MISC FEATURE
LOCATION: (210)...(21b)
OTHER INFORMATION: Epitope including C/C4 linker
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (130)...(145)
CTHER INFORMATION: Epitope including C/C4 linker
RAME/KEY: MISC FEATURE
LOCATION: (139)...(145)
                                                                                                                                                                                                                    LOCATION: (112)...(211)
OTHER INFORMATION: 19E heavy chain ©3 domain
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PEATURE:
NAME/KEY: DOMAIN
INCATION: (112)...
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Search completed: November 5, 2003, 18544-005 Job time : 22,6937 secs

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Score 15; DB 2; Leng
Pred. No. 2.8e+05;
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Best Local Similarity
Matches 4, Conserv
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JT0520
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                                                                                         ; Search time 13.5 Seconds (without alignments) 56.989 Million cell updates/sec
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C)Species: Tryparosoma bruce:
C)Species: Tryparosoma bruce:
C)Date: 28-Oct-1994 #sequence_revision 28-Oct-1994 #text_change 07-May-1999
C)Accession: D61512
R)Holder, A.A.; Cross, G.A.M.
Mol. Bicchem. Parasitol. 2, 135-150, 1981
A)Title: Glycopeptides from variant surface glycoproteins of Trypanosoma bruce: C-term A,Reference number: A61512; MJD:81172836; PMID:6163983
A,Reference number: A61512; MJD:81172836; PMID:6163983
A,Status: prelim:nary
A,Molecule type: protein
A,Residues: 1-8 «HCL»
C,Keywords: glycoprotein
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C)Species: Ascaris suum (pig roundworm)
C)Species: Ascaris suum (pig roundworm)
C)Date: 10-Jun-1993 #sequence_revision 10-Jun-1993 #text_change 28-Apr-1995
C)Accession: JH0784
R)Smart, D.; Shaw, C.; Curry, W.J.; Johnston, C.F.; Thim, L.; Halton, D.W.; Buchanan, Blochem: Biophys. Res. Commun. 187, 1323-1329, 1992
A)Title: The primary structure of IE-6: a novel neuropeptide from the nematode Ascaris A; Reference number: LH0784; MULD:93038603; PMID:1417808
A; Accession: JH0784
A; Molecule type: protein
A; Residues: 1-6 < SMA>
A; Experimental source: gonoduct
C; Keywords: neuropeptide
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41.0%; Score 16; DB 2; Length 8;
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 3; Conservative 0; Mismatches 0; Indels
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PC1316
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Jacalin beta-11 chain - Arrocarpus champeden (fragment)
C.Species: Arrocarpus champeden
C.Species: Arrocarpus champeden
C.Dote: 19-War 1997 #Sequence.
C.Accession: $29637
B.Ngoc, L.D., Brillard, M., Hoebeke, U.
B.Ochin: Blobbys, Acta 1156, 219-222, 1993
B.Ochin: Blobbys, Acta 1156, 219-222, 1993
A.Title: The alpha- and beta-subunits of the jacalins are cleavage products from a 17-k
A.Recerence number: $29635, MUID:93152601; PMID:8427879
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CySpecies: Citrobacter freundi:
CySpecies: Citrobacter freundi:
CySpecies: 12-Nag-1996 #sequence_revision 12-Aug-1996 #text_change 12-Aug-1996
CyAccession: 140697
RyShiuan, U.: Campbell, A
Gene 67, 203-21; 1986
A/Title Transcriptional regulation and gene arrangement of Escherichia coli, Citrobact A;Reference number: 140697, MUID:89006,800, PMID:29/1595
A,Accession: 140697
A,Accession: preliminary; translated from GB/EMBL/DDBJ
A,Molecule type: DNA
A,Residues: 1-4 <RES>
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A,Title: Junctional Sequences of fetal T cell receptor beta chains have few N regions.
A,Reference number: PT0509, MUID:9127961; PMID:1711558
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Cysecies: Mus musculus (house mouse)
Cysecies: T-Jul-1992 Hsequence_revision 17-Jul-1992 #text_change 30 May-1997
ExFerrey, A-V-
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A;Molecule type: DNA
A;Resides: 1-5 -FEE>
A;Experimental source: day 18 fetal thymus, strain BALB/C
C;Keywords Treell receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AjMolecule type: protein
AjResidues, 1-6 04050-
AjExperimental source: seud
CjComplex: heterotetramer; :wo alpha and two beta chains
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S. Accession (2002)
J. Exp. Months W. E., Follok, B.A.
J. Exp. Months With X-linked agammagloby
A.Title: Accession (2003)
A.Title: Accession (2003)
A.Title: Months With WID:89279157, PMID:278557, Months With X-linked agammagloby
A.Reference number: J70511, WJD:89279157, PMID:278557,
A.Reference number: J70511, WJD:89279157, PMID:278557
A.Reference number: J70511, WJD:89279157, PMID:27857
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ig kapra chain V III region (SDI) - human (fragment)
C/Species: Homo sapiens (man)
C/Pate: 23-Oct 1992 #sequence_revision 23-Oct-1932 #text charactic Aug 1996
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A)Status: Translation not shown
A)Avideoule type: mRNA
A)Residius: 1.7 eFgEs
A)Experimental source: day 19 fetal thymus, strain EALDS
C)Reywords: 7 cell receptor
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AjCross references: GB:M61970
CiKrywords: cardiac muscle; cell adhesion: hourt
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Matches
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RESULT 4 PICS8:

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J. Protein Chem. 8, 115-130, 1989
A)Title: Microsequence analysis of winged bean seed proteins electroblotted from two-di
A,Reference number: A61491, MUID:89351606, PMID:2765119
A,Accession: E61491
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J. Exp. Med. 174, 115-124, 1991
A.Title: Junctional sequences of feral T. Cell receptor beta chains have fow N regions.
A.Reference number: PT0509, MUID:91277601; PMID:1711558
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C;Species: Mus musculus (house mouse)
C;Date: 17-Cul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C;Accesion: PT0667
S;Reeney, A.J.
J. Exp. Med. 174, 115-124, 1991
                                                                                                                                                                                                                                                                                                                                                                                                                        seed protein ws-5 - winged bean (fragment)
C;Species: Psophocarpus terragonolobus (winged bean)
C;Date: 07-Oct-1994 #sequence_revision 07-Oct-1994 #text_change 07-Oct-1994
C;Accession: E61491
R;Hirano, H.
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A;Molecule type: mRNA
A;Residues: 1-6 <FEE
A;Experimental source: day 4 postnatal thymus, strain BALB/c
C;Keywords: T-cell receptor
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Pred. No. 2.8e+05;
1; Mismatches 1;
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50.0%; Pred. No. 2.8e+05;
attive 0; Mismatches 3;
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A,Status: translation not shown
A,Molecule type: mRNA
Residues: 1-7 <FEE>
A,Experimental source: adult thymus, strain BALB/c
C,Keywords: T-cell receptor
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Matches 3; Conservative
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A,Molecule type: protein
A,Residues: 1-7 <HIR>
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J. Exp. Med. 114, 115-124, 1991
J. Exp. Med. 114, 115-124, 1991
A.Fffele: Junctional sequences of fetal T cell receptor beta chains have few N regions.
A.Ffelerice number: PT0509; MUID:91277601; PXID:1711558
A.Accession: PT0648
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C)Species: Mus musculus (bouse mouse)
C)Bates: 17-301 1972 #sequence_revision (7-301 1992 #text_change 30-May-1997
C)Accession: PT0662
R)Fency, A.C.
B,Fency, A.C.
A,Tatle: Junctional sequences of fetal T cell receptor beta claims have few N regions.
A,Reference number: PT0509; MU3D:91277601; PMID:(7105k)
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FEBS Lott. 160, 236-300, 1983
A.Titler Aminon acid sequence around the active serine in the acy; transferase domain of Aracession: A20186; MUID:83287768; PMID:6554204
A.Accession: A20186
A.Accession: A20186
A.Residues: 1-6 ACCS
C.Keywords: acyltransferase; coenzyme A
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T-cell receptor beta chain V-D-J region (121-38K) - mouse (fragment)
C/Species: Mus musculus (house mouse)
C/Species: 77-Jul-1992 #sequence_revision 17-Jul-1992 #sext_change 30 May-1997
                                                                                                                                                                                                                                                                                                                                                             C.Species: Oryccolagus cuniculus (domestic rabbit)
C.Date: 05-Jun-1987 #sequence_revision 05-Jun-1987 #text_change 05-May 2000
C.Accession: A20186
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                                                  Query Match 30.8%; Score 12; 05 2; Length 6; Bust bocal Similarity 50.0%; Pred. No. 2.8e+05; Matches 2; Conservative 1; Mismatches 1; Indels Matches 1; Indels
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Best Local Similarity 66.7%; Pred. No. 2.80-05;
Matches 2: Conservative 1; Mismatches 0; Indels
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C.Keywords: heterotetramer; lectin; seed; storage protein
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A20186
fatty-acid synthase (FC 2.3.1.85) - rabbit (fragment)
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A)Residues: 1.6 < PEE>
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2 SRTGE 6
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A;Title: Junctional sequences of fetal T cell receptor beta chains have few N regions. A;Reference number: PT0509; MUID:91277601; PMID:1711558
A;Accession: PT0567
A;Status: translation not shown
A;Molecule type: mRNA
A;Resolues: 1-7 cFEE.
A;Experimental source: day 4 postnatal thymus, strain HALB/C
C;Keywords: T-cell receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Type protein - Erwinia chrysanthem;

Cyspecies: S3744

Rycoullie, A.; Toussaint, A.; Faelen, M.

Submitted to the EMBL Data Library, August 1993

Aybectription: Identification of the integration host factor genes of E. chrysanthemi.

Aybectription: S37141

Aybectription: S37141

Aybectription: S37141

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Aybectription: BNA

A; Stoss-references: EMBL: X74750; NID: 9399669, PIDN: CAA52763.1; PID: 9581108
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S37141
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STRAINSEDS 5494;
STRAINSEDS 5494;
Marin I., Amaro A.M., Jerez C.A., Amils R., Abad J.P.;
Submitted (SEP-1995) to the SWISS-PROT data bank.
- (- MISCELLANECUS: FOUND SPECIFICALLY IN CELLS CULTURED CHEMOLITHCTROFFICALLY.
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NCBL_TaxID=36860;
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Best Local Similarity 68.0
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TECHO F
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P80488;
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SECTIENCE
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gryllus bim
humo sapien
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dactylium d
thimnus alb
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PRIST clostridium
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P80488 thiobacillu
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                                                                                2003, 17:15:14 / Search time 9.5 Seconds (without alignments) 39:601 Million cell updates/sec
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(C)
           GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen itd.
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IGAC_DACE
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R.OLL
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Maximum Match 100%
Listing first 45 summartes
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Gapop 10.0 , Gapext 0.5
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39
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Match Length
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                                                                                  November 5,
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Maximum DB seq length: 8
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  hirudo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           using preparative two-dimensional gel electrophoresis.";
Electrophoresis 15:735-745(1994).
-!- MISCELLANEOUS: ON THE 2D-GEL THE DETERMINED PI OF THIS UNKNOWN
PROTEIN IS: 5.1, ITS YM IS: 36 KDa.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognachi; Muridae; Murinae; Mus.
NCBI TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TISSUE=Fibroblast,
MEDILIKE=55009077, PubMed=7521108,
MEDILIKE=55009077, PubMed=7521108,
MEDILIKE B.A., Patterson R.M., Wichter L.L., He C., Selkirk J.K.,
"Separation and sequencing of familiar and novel murine proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ġ
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01-0CT-1996 (Rel. 34, Last sequence update)
01-0CT-1996 (Rel. 34, Last armotation update)
01-0CT-1996 (Rel. 34, Last armotation update)
01-0CT-1996 (Rel. 34, Last armotation update)
Chemolithotroph specific protein (Fragment)
Thiobacillus cuprinus.
Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales;
P42564 P
P36960 c
P36960 c
P36919 e
P15921 c
P13049 P
P81780 b
P81780 b
P81780 b
P81780 b
P81780 b
P19016 p
                                                                                                                                                                                                                                                                                                                                                                               NESULT 1
UF03 WOUSE
AC D13 WOUSE STANDARD; PRT; 7 AA.
AC P38641;
DT 01-OCT-1994 (Rel. 30, Created)
DT 01-OCT-1994 (Rel. 31, Last sequence update)
DT 01-FEB-1995 (Rel. 31, Last annotation update)
DT 01-FEB-1995 (Rel. 31, Last annotation update)
DE URKNOWN PROTEIN (F. 20-page of fibroblasts (P36) (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 16; DB 1; Length 7;
Pred. No. 1.3e+05;
Pred. no. 1.se+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7 AA; 842 MW; 6AA72B1DDB1B1180 CRC64;
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                                                                                                                                                                                                                                                                                                                      ALIGNMENTS
                                                                                     AKH TABAT
LPK LEUNA
RT34 BOVIN
UPAA HUMAN
VGLG HSV2B
GRWM HUMAN
ACHI ACHFU
                                             ACHEU
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Best Local Similarity 66.7
Matches 2; Conservative
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P13071
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Li X.-P., Pleissner K.-P., Scheler C., Regitz-Zagrosek V., Salikov J.,
Unoplity P.R.,
Submitted (SEP-1998) to the SWISS-PROT data bank.
Submitted (SEP-1998) to the SWISS-PROT data bank.
PROTEIN IS: 8.5, ITS XW IS: 42 kDa.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rattus norvegicus (Rat).
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Rattus.
                                                                        Gaps
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UH11 RAT STANDARD, PRT; 7 AA.

AC P56576,
DT 15-DEC1998 (Rel. 37, Created)
DT 15-DEC1998 (Rel. 37, Last sequence update)
DT 15-DEC1998 (Rel. 37, Last sequence update)
DT 15-DEC1998 (Rel. 37, Last annotation update)
DT 15-DEC1998 (Rel. 37, Last annotation update)
DF 15-DEC1998 (Rel. 37, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; )
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Entaryota: Metazoa; Arthropoda; Hexapoda; Insectia, Prerygota;

Neoptera; Orthopteroidea; Orthoptera; Caelitera; Acidomorpha;

Acridoidea; Acrididae; Oedipodinae; Locusta.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cephalomyotropic peptide family.";
Insect Biochem. 20:479-484(1990).
-!: FUNCTION: MEDIATES VISCERAL MUSC.E CONTRACTILE ALTIVITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           33.3%; Score 13; DB 1; Length //
33.3%; Pred. No. 1.3e-05;
eive 2: Mismatches 2; Indels
   Score 16; DB 1; Length 8;
Pred. No. 1.3e+05;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7 AA; 775 MW; 6866DBC40DC5A6B0 CRC64;
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1- SIMILARITY: BELONGS TO THE PYROKININ FAMILY InterPro; IRR001404; Pyrokinin.
PROSITE: PS000539; PYROKININ: NeuropEbilde; Amidation; Pyrokinin.
MOD RES

9 8 AMIDATION.
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01-AUG-1991 (Rel. 19, Last sequence update)
10-AUG-1991 (Rel. 19, Last annotation update)
Locustamyotropin 2 (LOM-MT-2).
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       41.01.
100.0%; Pr.
Query Match
Best Local Similarity 100.
Matches 3; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STANDARD;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NCBI_TaxID=:0116;
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                                                                                                                                        4 OEG 6
                                                                                                                                                                                                      QEG 7
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SEQUENCE
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Best Local S
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33.3%; Score 13; DB 1; Length 8;

Query Match

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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the Buropean Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way
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                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gene arrangement of Escherichia coli,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                         01-JAN-1990 (Rcl. 13, Created: 01-JAN-1990 (Rcl. 13, Last sequence update)
16-0CT-2001 (Rcl. 140, Last annotation update)
Adenosylmethionine-8-amino-7-cxonomanoate aminotransferase
(EC 2.6.1.62) (7,8-diamino-pelargonic acid aminotransferase)
                                                                                                                                                                                                                                                                                                                                                                                                                                            Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
Enterobacteriaceae; Citrobacter.
NCBI_TaxID=546;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28-FEB-2003 (Rel. 41, Created)
28-FEB-2003 (Rel. 41, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
Purple acid phosphatase isozyme LeSAP2 (EC 3.1.3.2) (Fragment).
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                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     InterPro; IPR005814; Aminotrans 3.
PROSITE; PS00600; AA TRANSFER CLASS 3; PARTIAL.
Biotin biosynthesis, Transferase; Aminotransferase;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                S AA; 582 MW; 6AAABIBIA6F00000 CRC64;
Pred. No. 1.3e+05;
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                                         1; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL: M21922; -; NOT_ANNOTATED_CDS.
PIR: 140697; 140697.
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PATHWAY: Biotin biosynthesis.
SUBUNIT: Homodimer.
                                                                                                                                                                                                                                     PRT;
                  96.78;
                                                                                                                                                                                                                                                                                                                                                                                     aminotransferase) (Fragment)
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NON TER 5
SEQUENCE 5 AA; 582
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2; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
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                                                                                S EGE 7
                                                                                                                         EGD 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PPH2 LYCES
P83379;
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us-09-914-088-2.closed.rsp

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wall components.
DEVELOPMENTAL STAGE: Expressed throughout all walled developmental
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--- SUBCELDULAR LOCATION: Cell wall. Disulfide-linked to other cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota, Alveolata, Perkinsea, Perkinsida, Perkinsidae, Perkinsus, NCBI TaxID-106964,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Plasma protein map: an update by microsequencing.";
Electrophoresis 13:707-714(1992)
-!- MISCELLANEOUS: ON THE 2D-GED THE DETERMINED PI OF THIS UNKNOWN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE, FUNCTION, SUBCELLULAR LOCATION, AND DEVELOPMENTAL STAGE.
MEDLINE=22044350; Pubmed=120494:0;
MORIES J.F., Durfort M., ilado A., Garcia-Valero J.;
"Characterization and imminolocalization of a main proteinaceous component of the cell wall of the protozoan parasite Perkinsus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
NCBI_TAXID=9606;
                                                                                                                                                                                                                                                                                                                                                           01-APR-1993 (Rel. 25, Created)
01-APR-1993 (Rel. 25, Last sequence update)
01-APR-1993 (Rel. 40, Last annotation update)
Unknown protesir from 2D-page of plasma (Spot 2) (Fragment)
Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hudhes G.J., Frutiger S., Paquet N., Ravier F., Pasquali
Sanchez J.-C., James R., Tissor J.-D., Bjellqvist B.,
Hochstrasser D.F.,
                        Score 12; DB 1; Length 8; Pred: No. 1.38+05; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28.2%; Score 11; DB 1; Length 8; 40.0%; Pred. No. 1.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8 AA; 944 MW; C01772C455BB06DA CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28-FEB-2003 (Rel. 41, Created)
28-FEB-2003 (Rel. 41, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
Perkinsus atlanticus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9 A.A.
                                                                                                                                                                                                                                                                                                                       8 A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PROTEIN IS: 4.9, ITS WW IS: 65 KDa.
SWISS-2DPAGE; P30087; HUMAN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE=93092937; PubMed=1459097;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Parasitology 124:477-484(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Query Match
Best Local Similarity 40.v.,
Lag 2; Conservative
Query Match
Best Local Similarity 66...
hea 2; Corservative
                                                                                                                                                                                                                                                                                                                       STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STANCARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4 QEGEL 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DESNV 6
                                                                                                                                                               :-
KGE: 8
                                                                                                                                 5 EGE 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TISSUE=Plasma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 atlanticus.";
                                                                                                                                                                                                                                                                                                                  UPA1 HUYAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                stages.
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P83195;
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SEQUENCE
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UPA1 HUMAN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -!. PTM: Glycosylated.-!. MISCELLANECUS: In L.esculentum there are at least two isozymes of
purple acid phosphatase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                    Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Peprantophyta, Magnolliophyta, eudicotyledons, core endicots;
Asteridae, lamids, Solanales, Solanaceae; Solanum.
NCBI_TaxID=4081;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bacteria, Proteobacteria, Gammaproficulacteria, Boses castesias,
Enterchacteriaceae, Pectobacterium.
                                                                                                                                                                                                                                                                                                                                          phosphatase isozymes from phosphate-starved tomato 'tycopersicon esculentum' cell cultures.",
                                                                                                                                                                                                      SLYGOSYLATION.
STRA.N=cv. Moneymaker; TISSUE=Seed;
MEDLINE=22361242; PubWed=12473124;
MEDLINE=22361242; PubWed=12473124;
MEDLINE=22361242; Plax.on W.C.;
"Purification and characterization of two secreted Fulfile abid
                                                                                                                                                                                   SEQUENCE, CATALYTIC ACTIVITY, SUBINIT, SUBCELLULAR LOCATION,
                                                                                                                                                                                                                                                                                                                                                                                               Eur. J. Biochem. 269:6278-6286(2002)
-!- CATALYTIC ACTIVITY: An orthophosphoric monoester + B:210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30.8%; Score 12; DB i; Length 7; 66.7%; Pred. No. 1.3e+05; ive i; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8 AA; 837 MW; 9E18733DC58339CD CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7 AA; 810 MW; 672AA862C9C729A0 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-OCT 1994 (Rel. 30, Last sequence update)
01-NOV-1995 (Rel. 32, Last annotation update)
308 ribosomal protein St (Fragment).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SUBUNIT: Monomer.
SUBCELLULAR LOCATION: Secreted.
                              Lycoperaticon esculentum (Tomato)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RSI_ERWCH STANDARD;
P37985;
O1.CCTT-1994 [Rel. 30, Created]
01.CCT-1994 (Rel. 32, Last seq
01.NOV-1995 (Rel. 32, Last ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL; X74750; CAA52769.1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      alcohol + phosphate.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hydrolase, Glycoprotein.
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|-:|
5 GDT 3
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SEQUENCE
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                    TISSUE=Skin secretion;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5 EGEL 8
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UC24 MAIZE
ID UC24 MAIZE
AC P80630;
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                                                                                                                                                                        rubella.";
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P81675;
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                    RAPER REPARENCE SOCIONE SERVICE SERVIC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16-0CT-2001 (Rel. 40, Created)
16-0CT-2001 (Rel. 40, Last sequence update)
16-0CT-2001 (Rel. 40, Last annotation update)
Phytosulfokine-alpha (PSK-alpha) [Contains: Phytosulfokine-beta [PSK-beta)].
                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STRAINCOL US-Harumakigosun;
MEDLIKE=20212743; PubMed=10750705;
Haral H., Matsuno T., Yamamoto M., Matsubayashi Y., Kobayashi T.,
Ramada H., Sakagami Y.,
"A secreted puptide growth factor, phytosulfokune, acting as a
stimu.acory factor of carror sometic embryo formation.";
stimu.acory factor of carror sometic embryo formation.";
FUNCTION: IN PRESENCE OF 2.4-D, STIMULATES PROLIFERATION OF THE
CELLS, BUT DOES NOT STIMULATE DIFFERENTIATION INTO THE SOMATIO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota, Viridiplantae, Streptophyta, Embiyophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, eudicotyledons, core Hudionts,
Asteridae, campanulids, Apiales, Apiaceae, Daucus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 11
E105 LITRU STANDARD, PRT; 7 AA.
AC 28-FEB-2023 (Rel. 41, Created)
DT 28-FEB-2003 (Rel. 41, Last sequence update)
DT 15-SEP-2003 (Rel. 42, Last annotation update)
DE Electrin 5.
CS Litoria rubella (Desert tree frog).
CS Electrin 5.
CS Electrin 6.
CS Electrin 7.
CS Electrin 8.
CS Electrin 9.
CS El
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                                                                                                                                                               28.2%; Score 11; DB 1; Length B; 100.0%; Pred, No. 1.3e+05; tive C; Mismatches O; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 25.6%; Scare 10, 73 .; Length 5, Best Local Similarity 100.0%; Pred. No. 1.5e+05; Marches 2; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            -1. SURCELLULAR LOCATION: Secreted.
-1. FTM: SULFATION IS IMPORTANT FOR ACTIVITY AND FOR POTALIVEN REMEMBER RECEPTOR (BY SIMILARITY).
-1. SIMILARITY: BELONGS TO THE PHYTOSULFOKINE FAMILY.
Celi wall.
NON TER 8 8
SEQUENCE 8 AA, 765 MW, F1787DD87BIAAB16 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 4 PHYTOSULFOKINE BETA.

1 1 SULFATION

3 3 SULFATION

5 AA, 687 MM, 76CIRESOGES STORES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE, AND IDENTIFICATION BY MASS SPECTROMETRY
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                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Daucus carota (Carrot)
                                                                                                                                                               Query Match
Best Local Similarity
Matches 2; Conserv
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TOUZET P., Riccardi F., Morin C., Damerval C., Huet J.-C.,
Pernollet J.-C., Zivy M., de Vienne D.;
Pernollet J.-C., Zivy M., de Vienne D.;
The maize two dimensional gel protein database: towards an integrated genome analysis program.";
Theor. Appl. Genet. 93:997 1005(1996)
-!- MISCELLANECUS: CN THE 20.GEL THE DETERMINED PI OF THIS UNKNOWN MAIZE-2DEAGE; PSG0530; CCLEOPTILE.

Maize-2DEAGE; PSG0530; CCLEOPTILE.

Maize-2DEAGE; PSG0530; CCLEOPTILE.
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Wabnitz P.A., Bowie J.H., Tyler M.J., Wallace J.C.;
"Peptides from the skin glands of the Australian buzzing tree frog
Litori electrica. Comparison with the skin peptides from Litoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-JUL-1999 (Rel. 38, Created).
15-JUL-1999 (Rel. 38, Last sequence update).
15-JUL-1999 (Rel. 38, Last annotation update).
15-JUL-1999 (Rel. 38, Last annotation update).
15-JUL-1999 (Rel. 38, Last annotation update).
Prince phraster (Maritime pine).
Prince phraster (Maritime pine).
Spermacophyta, Viridiplantae; Streptophyta, Embryophyta, Tracheophyta, Spermacophyta, Coniferopsida, Coniferales; Pinaceae; Pinus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Zea mays (Maize)
Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Paprmatophyta: Magnollophyta; Liliopsida; Poales, Poaceae;
PACCAD clade: Panicoldeae, Andropogoneae; Zea.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-0CT-1996 (Rel. 34, Created)
01-0CT-1996 (Rel. 34, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Unknown protein from 2D-page of etiolated coleoptile (Spot 447)
(Fragment).
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SEQUENCE 7 AA; 834 MM; 6DD05B076B0BS03G CRC64;
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AC P66575;
DT :5-DEC-1998 (Rel. 37, Last sequence update)
DT :5-DEC-1998 (Rel. 37, Last sequence update)
DT :5-DEC-1998 (Rel. 37, Last annotation update)
DE Unknown protein from 2D-page of heart tissue (Spot P9) (Fragment).
DE Unknown protein from 2D-page of heart tissue (Spot P9) (Fragment).
OS Rattus norveginus (Ral).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostom);
                                                                          MEDLINE 99274628, PubMed=10344291,
Costa P., Pionneau C., Bauw G., Dubos C., Bahtman N., Kremer A.,
Frigerio J.-M., Plomion C.,
"Separation and characterization of needle and xylem maritime pine
proteins.";
Electrophoresis 20:1098-1108(1999).
PROTEIN IS: 6.6, ITS MW IS: 25 kDa.
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P8-55;
16-00T-2001 (Rel. 40, Created)
16-00T-2001 (Rel. 40, Last sequence update)
16-00T-2001 (Rel. 40, Last sequence update)
16-00T-2001 (Rel. 40, Last annotation update)
16-00T-2001 (Rel. 40, Last annotation update)
16-00T-2001 (Rel. 40, Last sequence update)
16-00T-2001 (Rel. 40, Last sequence update)
16-00T-2001 (Rel. 40, Last sequence)
16-00T
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        MCD RES
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        SEQUENCE
        8 AA; 905 MW; 87C861B1A9CDDAA9 CRC64;

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Q63668 rattus norv

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Physarum polycephalum (Slime mold).
Eukaryota, Mycetozoa, Myxogastria, Myxogastromycetidae, Physarida,
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MEDLINE=96182101; PubMed=8622700;
MEDLINE=96182101; PubMed=8622700;
Benard M., Lagnel C., Pallocta D., Pierron G.;
Benard M., Lagnel C., Pallocta D., Pierron G.;
ampling of a replication origin within the promoter region of unlinked, abundantly transcribed actin genes of Physarum polycephalum."; abundantly transcribed actin genes of Physarum polycephalum."; abundantly transcribed actin genes of Physarum polycephalum."; abundantly transcribed actin genes of Physarum bolycephalum."; abundantly transcribed actin genes of Physarum polycephalum."; abundantly transcribed actin genes of Physarum polycephalum.
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G90zv5 fulica jeuc
G6480 rattus norv
Q919e0 bacillus su
Q2910 homo sapien
G6578 bovine herp
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Copyright (c) 1993 - 2003 Compugen Ltd.
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Rattus.
NCBI_TaxID=10116.
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Skaryrota, Metazoa, Chordata, Cramiata, Vertebrata, Buteleostomi,
Archosauria, Aves, Neognathae, Gruiformes, Rallidae, Fulica.
NCBI_TaxID=156758,
                                                                                                                                   Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Pongo.
NCBI_TaxID=9600, 9598, 9593,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Adenylate kinase introm 5: a new nuclear locus for avian
                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
SPECIES=P. pygmaeus, P. troglodytes, and G.gorilla;
SPECIES=P. pygmaeus, P. troglodytes, and G.gorilla;
Kitano T., Kobyakawa H., Saitou N.;
Silver Project."

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 35.9%; Score 14; DB 6; Length 42.9%; Pred. No. 8.3e+05; ive 0; Mismatches 4; Inde
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-02C-2001 (TrEMBLrel. 19, Created)
01-0EC-2001 (TrEMBLrel. 19, Last sequence update)
01-0EC-2001 (TrEMBLrel. 19, Last annotation update)
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01-NOV-1996 (TrEMBirel. 01, Last sequence update)
01-DEC-2001 (TrEMBirel. 19, Last annotation update)
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NON TER 8 8
SEQUENCE 8 AA; 994 MW; 96333B19CB1B:866 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8 AA; 825 MW; F21865A5A2CB05B6 CRC64;
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                                   Pongo pygmaeus (Crangutan),
Pan troglodytes (Chimpanzee), and
Gorilla gorilla (gorilla).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TR4-NS orphan receptor (Fragrent)
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Auk 119:249-255(2001).
EMBL; AF307998; AAK43537.1; -.
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Shapiro J.H., Dumbacher J.P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Adenylate kinase (Fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 42.9
Matches 3: Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRELIMINARY;
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       Dystrophin
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Q63480;
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963480
10 06348
AC 06344
DT 01-N
DT 01-N
DT 01-N
CS RECT
SC RACT
OC MAMMENTO
OC M
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Q90ZV5
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MEDLINE-95121318; PubMed=7599979,
MITCHE-95121318; Putwidawa Y., Munecka Y., Matchenina t., Ikuda T.,
Pujita T., Minakata H., Nomoto K.,
"Isolation and characterization of four novel broadtive peptides from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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Comp. Biochem. Physiol. C, Pharmacol. Toxicol. Endocrinci. 110:297
                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=96163531; PubMed=8566960;
Holder E., Maeda M., Bles R.D.;
Kpression and regulation of the dystrophin Purkinje promoter in human skeletal muscle, heart, and brain.";
Hom. Senet. 97:232-239(1996).
                                                                                                                                               Homo sapiens (Human).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleosiomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidar, Homo.
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NCEL_TaxID:6335;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 35.9%; Score 14; DB 4; Length 8; Best Local Similarity 42.9%; Pred. No. 8.34-05; Matches 3; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kitano T., Kobayakawa H., Saitou N.,
"Silver Project.",
Submitted (JAN-2000) to the EMBL/GenBank/DDBJ databises.
EMBL, S61419, AAD14363.1,
NON TER 8
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71 WAY-2000 (TremBirel 13, Last sequence update)
61 WAY 2000 (TremBirel 13, Last annotation update)
810ACTIVE peptide P4=PUTATIVE ESCRIAGEAL NEUROSFGUIATOR
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Last annotation update:
01-NCV-1996 (TrEMBLrel. 01, Last sequence update) 01-OCT-2000 (TrEMBLrel. 15, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQÜENCE 8 AA; 825 MW; F21865A5A2CB05B6 CRC64;
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01 OCT 2000 (TrEMBLrel, 15, Created)
01-OCT 2000 (TrEMBLrel, 15, Last seq.
01 JUN-2001 (TrEMBLrel, 17, Last anno
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                                                                       Dystrophin protein (Fragment) DYSTROPHIN.
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                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                          NCBI_TaxID=9606;
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3 EGDV 6
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Q9MYL5
ID Q9MYL5
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09TWH6;
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"Evolutionary relationship between different human major histocompatibility complex HLA-DR haplotypes."; Immunogenetics 43:304-314(1996).
EMBL, X88792; CAA61271.1; -. NON TER 8 8
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Local Similarity 66.7%; Pred. No. 8.3e+05;
Nes 2; Conservative 1; Mismatches 0;
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Matches 2, Conservative
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SEQUENCE
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Q65578;
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09AGP4
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Q65578
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                                                                                                                                               "Splice variants of rat TR4 orphan receptor: differential expression of novel sequences in the 5'-untranslated region and C-terminal domain.";
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
NCBI_TaxID=9606;
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MEDLINE-96175156; PubMed=9110934;
Svensson A.C., Setterblad N., Pihlgren U., Rask h., Andersson G.;
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         (1)

SEQUENCE FROM N.A. MEDLINE=961986; MEDLINE=9619877; PubMed=8612486; MEDLINE=9619877; PubMed=8612486; MEDLINE=961987 G.C., Chuang D.M., Yoshikawa T., Makino S., Gao X.M., Xing G.C., Chuang D.M., Detera Wadleigh S.D.,
                                                                                                                                                                                                                                                                                                                                                                                                       30.8%; Score 12: D3 11; Length 7; 66.7%; Pred. No. 8.2e+05; Atlive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30.8% Score 12, DB 2, Dength H, 50.0% Pred, No. 8.58-08, Distanches 0, Indels tive 2, Mismatches 0, Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bacteria, Firmicutes, Bacillales, Bacillaceae, Bacillus.
NCBL Tax1D=1423;
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01-NOV 1996 (TrEMBLrel. 01, Last sequence update)
1-DEC-2001 (TrEWBLrel. 19, Last annotation update)
HLA class II DR-beta chain (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-MAY-2000 (TrEMBLrel, 13, Created)
01-MAY-2000 (TrEMBLrel, 13, Last sequence update)
01-MAY-2000 (TrEMBLrel, 13, Last ennotation update)
Stage V sporulation protein E (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 8 AA; 893 MW; EE75A1A3337181A6 CRO44
                                                                                                                                                                                                                                                                                                                                                            7 AA; 758 MW; 672AA87864005350 CR064;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Mismatches
                                                                                                                                                                                                                                           Endocrinology 137:1562-1571(1996).
EMBL; U59125; AABC2827.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
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TTKK 5
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                                                                                                                                                                                                                                                                                                                                    NON TER
SEQUENCE
                                                                                                                                                                                                                                                                                                        Receptor.
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                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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Matches
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Q9R9E0
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MEDLINE-9511343; PubMed=7793362; Vicek C., Benes V., Lu Z., Kutish G.F., Paces V., Rock D., Letchworth G.J., Schwyzer M.; Letchworth G.J., Schwyzer M.; Nucleotide sequence analysis of a 30-kb region of the bovine herpesvirus i genome which exhibits a colinear gene arrangement with the UL21 to UL4 genes of herpes simplex virus."; Virology 210:100-108(1995).
Hypothetical protein.
                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Meskys R., Harris R.J., Casaite V., Basran J., Scrutton N.S., "Genetic organization of the genes involved in dimethylglycine and sarcosine degradation in Arthrobacter spp.: implications for glycine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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Bacteria; Actinobacteridae; Actinomycetales;
Micrococcineae; Micrococcaceae; Arthrobacter.
NCBI_TaxID=153502;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28.2%; Score 11; DB 12; Length 7; 33.3%; Pred. No. 8.3e+65; Live 1; Mismatches 3; Indels
                                                                                                                                                        0; Indels
                                                                                             Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Viruses; dsDNA viruses, no RNA stage; Herpesviridae;
Alphaherpesvirinae; Varicellovirus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-NOV-1996 (TrEMBLrel. 01, Created)
01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
Hypothetical 0.8 kDa protein (Fragment).
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8 8 AA; 909 MW; 6DC6C1A9CAA731A8 CRC64;
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SEQUENCE FROM N.A.
MEDLINE-97049323; PubMed-8894653;
Venta P.J., Brouillette J.A., Yuzbasiyan-Gurkan V., Brewer G.J.;
"Gene-specific universal mammalian sequence-tagged sites: Application
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Rattus sp.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A. Venta P.J., Cao Y., Alexander L., Yuzbasiyan-Gurkan V.; "Dinucleotide repeat polymorphism in the canine retinoblastoma (RBI)
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TISSUE TESTIS TO THE TESTIS TO T
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Eukaryotai Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Euberia, Carnivora, Fissipedia, Canidae, Canis.
NCBI_TaxiD=9615,
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                                                                                       0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gene.";
Submitted (JUN-1999) to the EMBL/GenBank/DDBJ databases
                                       Length
                                                                                                                                                                                                                                                                                                                                                                                                  01-NCV-1999 (TrEMBLrel. 12, Created)
01-NCV-1999 (TrEMBLrel. 12, Last sequence update)
01-NCV-1999 (TrEMBLrel. 12, Last annotation update)
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Last annotation update)
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                              Score 11; DB 4; Pred. No. 8.3e+C5;
                                                                                       3; Mismatches
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01-JAN-1998 (TrEMBLrel. 05, Last seqn
01-DEC-2001 (TrEMBLrel. 19, Last anno
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Retinoblastoma protein (Fragment).
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                              28.2%;
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                              Query Match
Best Local Similarity 25.0
Matches in Conservative
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                                                                                                                                                3 TQEG 6
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Matches
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Shibata M., Shima M., Morichika S., Yoshiola A.;
"Human clocking factor VIII gene, junction regions of the deletion of
exon 4 through 7."
Submitted (MAR-2000) to the EMBL/GenBank/SDBJ datablises
                                                                                                                                                                                                                                     Gaps
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Centron D., Roy P.H.;
Characterization of the 6'-N-aminoglycoside accipitiansferiase gene
aaci67; Iq from the integron of a natural multiresistanto plasmid.";
Antimicrob. Agents Chesther. 42:1506-1508:1998;
EMBL, AF047556; AAC2501.1; -.
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90P285 PRELIMINARY; PRI; 8 AA.
01-07T-2000 (TremBirel 15, Last sequence update)
01-07T-2000 (TremBirel 15, Last annotation update)
Mamailia Eucheria; Primates; Catarrillin; Hominidae; Homo.
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Bacteria: Proteobacteria: Gammaproteobacteria; Enterobacteriales;
Enterobacteriaceae; Kiebsielia.
NCB: TaxID=573;
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                                                                                                                                                                                                                               C; Indels
                                                                                                                                                                      28.2%; Score 11; OR 2; Length 9; 100.0%; Pred. No. 8.38+05; active 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        51-AUG 1998 (TrEMBLrel. 07, Last sequence update)
01-MAR 2002 (TrEMBLrel. 20, Last annotation update)
Aminoglycoside 3'-0-nucleotidyltransferase (Fragment).
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66.7%; Pred; No. 8.38+05;
ative 1; Mismitches
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01-AUG 1998 (TrEMBLrel: 07, Last seq:
01-MAR 2002 (TrEMBLrel: 20, Last ann
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Rest Local Similarity 66.70,
Rest Local 2, Conservative
                                                                                                                                                                   Query Match
Best Local Similarity 100.0
Matches 2; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Klebsiella preumoniae.
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1 CE 8
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SEQUENCE
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NON_TER
SEÇJENCE
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068485;
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068485
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Q9P285
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P70243
1D P70243
1D P70243
DT 01-FEB-1997 (TrEMBLrel. 02, Created)
DT 01-FEB-1997 (TrEMBLrel. 02, Last sequence update)
DT 01-DEC-2010 (TrEMBLrel. 02, Last sequence update)
DC 01 Mammalia, Butheria, Rodentia, Craniata, Vertebrata, Euteleostomi,
DC 02 Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinac, Mus.
NN NELTAID=10090;
NN NELTAID=10
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Query Match 28.2%; Score 11; DB 13; Length 8; Best Local Similarity 66.7%; Pred. No. 8.3e+05; Matches 2; Conservative 1; Mismatches 0; Indels
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SEQUENCE (JUN.1296) to the EMBL/GenBank/DCHJ databases.
Submitted (JUN.1396) to the EMBL/GenBank/DCHJ databases.
EMBL; X99325; CAA6969.1; -.
EMBL; X99325; CAA6969.1; -.
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SEQUENCE 9 AA; 865 MW; D9C37D291861AD2E CRC64;
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Search completed: November 5, 2003, 17:22:17 Job time : 30.5 secs Synthetic hexapept Hsp47-binding phag Nucleotide-binding Nucleotide-binding

Hydroxymethylgluta HIV A02 super moti HIV A24 super moti

Potato THT

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Immunoglobulin E; IgE; immunogenic; immunogen; Protein D; carrier; prostate cancer; Heemophilus; influencae; vaccine; infectious disease; malaria; cytostatic; antiallergic; nootropic; neuroprotective; protozoacide; Alzheimer's disease; allergy.
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99GB-0004408.
99GB-0004412.
 22-FEB-2000; 2000WO-EP01457.
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25-FEB-1999;
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 Imminoglobulin E e 196 C-epsilon-2 do Peptide P2 derived HELMAN 196 peptide #2. M Himan 196 montope peptid P2 minotope peptid Phoran 196 menunoge Phosphopeptide. S
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| SIDSI/gcgdata/geneseqp-emt./AA195C.DAI:*
| SIDSI/gcgdata/geneseqp-emt./AA195L.DAI:*
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          GenCore version 5.1.6
(c) 1993 - 2003 Compugen 5td.
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Disting first 45 summaries
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Randall R, Turnell WG,
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                                                                                                                                                                                                                                                                                                                        0
                                                                                                    influenzae
                                                                                                                                                                                                                   immune responses while inducing a moderate humoral response against the carrier. The present sequence represents a specifically claimed immunoglobulin E (1gB) epitope immunogenic peptide sequence, which can be used in an immunogen of the present invention.
                                                                                       The present invention describes an immunogen (1) comprising a peptide (1a) and a carrier (1b) derived from protein D of Hemophilius influence or its fragment, Also described are: (1) a vaccine comprising (1), and an excipient; (2) preparation of (1), comprising collugating a peptide to protein D or its fragment; and (3) preparation of a vaccine of (1), comprising formulating (1) with an excipient. (1) has cylostatic, indiangledic, neotropic, neuroprotective and protozocacide activities. (1) and the vaccine are useful for the manufacture of a redicement for preventing and treating infectious diseases such as malaria or chronic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               igE Clepsilon 2 domain surface exposed epitope perional 350 10 No.2.
                     Immunogens and vaccine comprising the immunogen use(u) for preventing and treating infectious diseases e.g. malaria and chronic disease e.g. cancer, comprises peptide and carrier from protein 2 of influenzae.
                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                            disease such as cancer, Alzheimer's disease or alleryy in a patient.
Unlike prior art immunogens, (I) induces high levels of untipeptide
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                                                                                                                                                                                                                                                                                                                                                                                                                            AAB25908 standard, Peptide, 8 AA.
                                                                    Claim 9; Page 37; 53pp; English.
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99GB-0007151.
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99GB-0021046.
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Best Local Similarity 100...
Fine 8; Conservative
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29-MAR-1999,
07-MAY-1999,
07-AUG-1999,
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07-SEP-1999,
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The present invention describes a peptide (1) comprising an isolated surface exposed group/epicpe (E.) of C-epsilon-2 domain (D) of immunoglobulin E (19E), or its mimotope. Also described are: (1) an immunoglobulin E (19E), or its mimotope. Also described are: (1) an immunoglobulin E (19E), or its mimotope. Also described are: (1) an immunoglobulin E (19E), a pharmacountain (I); (2) a vaccine (III) for treating allergy comprising (II); (3) a ligand (IV) capable of comparising (IV); (6) an immunogen (III) a peptide (1a) capable of being recognised by (IV); (6) an immunogen (III) comprising (IB); and (7) producing (III) by producing (II). (1) can have antiallergic and immunosuppressive activities, and can be used useful in medicine and in the manufacture of medicaments for treating useful in medicine and also in manufacture of medicaments for treating and preventing alergies. (IV) is useful in diagnostics and in the affinity purification of circulating arti-196 antibodies from blood. (I), (III) and PC are useful for treating applied a patient susceptible to or suffering from allergies. (IV) is also useful in diagnosting atopy. AAB2699 repersent peptide sequences which are used in the exemplification of the present
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                                                                                                                                                     Peptides useful for treating, preventing and ameliorating allergic diseases, comprising an isolated surface exposed group of a specific domain from immunoglobulin {\rm E} -
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Vinals De Bassols YC;
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Van Mechelen MP,
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(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.
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22-AUG-2000; 2000GB-0320707.
22-AUG-2000; 2000GB-0320708.
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                                                                            WPI; 2000-572073/53.
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vaccine, antiallergic.
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                                                                                                                                        8 A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB25931;
                                                                                                                                        Sequence
                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 5
ABJC0218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB25931
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SON COURT OF STANDARD STANDARD
8×3333
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                                                                                                                                                                                                                                                                      conjugation of compounds (e.g. peptides) to carrier whicies

(e.g. macromolecules, polymers, dendrimers, proteins) to produce
biological and immunological constructs. The invention provides a
method for linking an epitope (e.g. a peptide) to a carrier (e.g. a
protein) for use in a pharmaceutical composition or a vacaine. The
invention describes peptides derived from or mimortopes of the
Cepsilon2, Cepsilon3 or Cepsilon4 regions of human immunoglobulin E
(igh) which are used to produce conjugated compounds. The compounds or
compositions of the invention are useful in the manufacture of a
medicament for the treatment of 1gF mediated diseases. The invention
allows for controlled conjugation of a peptide epitope (antigen) to a
protein so as to form an immunogenic conjugate which may be able to
raise a protective antibody response in an animal or human patient.

AAN16632-AA0166913 represent peptides derived from or mimotopes of
the Cepsilon2/Cepsilon3/Cepsilon4 region of human 1gE.
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                                                                       of IgE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New vaccine comprising allergy peptides linked by an ineit carrier, useful for boosting an anti-allergy immune response in an individual susceptible to an allergic response
                                                                                                                                                                                                                                             present invention relates to linkage methodology for use in the jugation of compounds (e.g. peptides) to carrier webicies
                                                                       an immunogenic conjugate useful treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ..
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Score 39; DB 22; 100.0%; Pred: No. 9.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ommunoglobulin Er IgEr ann. ellerig.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
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                                                                                                                                                                            Example 4; Page 21; 48pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AABS1024 standard; Peptide; 8 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 5; Page 20; 26pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06.JUN 2000; 2000MO-EP05164
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cuery Match 100.
Best Local Similarity 100.
Matches 8, Conservative
                                                                       A linkage comprising mediated diseases -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-09:150/10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (farst
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   WPI; 2001-521967/57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IgE peptide #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WC200074716-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AABS1024;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Vammalia.
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manufacturing a medicament for the prophylaxis or treatment of allergy In particular, for boosting an anti-allergy immune response in an individual susceptible to an allergic response.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                    Saps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Immunogen; human; IgE; immunoglobulin E; allergy; thio-ether linkage;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conjudate for use in vaccine for treatment of allergy, comprises disulfide bridge cyclized peptide and immunogenic carrier
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ..
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                                                                                                                                                                                    Length 8;
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                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Vinals Bassols YC;
                                                                                                                                                                                       100.0%; Score 39; DB 22; 100.0%; Pred. No. 9.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human IgE immunogenic peptide SEQ ID NO: 2.
                                                                                                                                                                                                                                                C; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SMIK ) SMITHKLINE BEECHAM BIOLOGICALS. (PEPT-) PEPTIDE THERAPEUTICS LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Turnell WG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABJ00218 standard; Peptide; 8 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22-AUG-2000; 2000GB-0020717.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17-AUG-2001; 2001WG-EP09576
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                 Best Local Similarity 100.
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity )
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Thu Nov

Peptide P2sh derived as mimotope of Cepsilon2 region of human IgE

(first entry)

C7-NOV-2001

AA316656;

AAU16656 standard; Peptide; 6 AA

RESULT 7

AAU16656

Human, linkage technology, conjugated compound, carrier vehicle, epitope, Cepsilon2, Cepsilon3, Cepsilon4, immunoglobulin E, 195 mediated disease, antibody response.

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Peptides useful for treating, preventing and amelioratine allergic diseases, comprising an isolated surface exposed group of a specific domain from immunoglobulin E
                                    Epitope; mimotope; human; immunoglobulin E; igE; @ eysilon-2 domain;
allergio disease; immunoprophylaxis; immunotherapy; antiallergio;
immunosuppressive; vaccine; histamine release inhibitor; immunogen;
                                                                                                                                                                                                                                                                                             enwood J, Hewitt E, Lamont A, Mason S,
Van Mechelen MP, Vinals De Bassols YO,
                                                                                                                                                                                                                                                                  SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.
PSPT-) PEPTIDE THERAPEUTICS LTD.
                    P2 mimotope peptide P2sh SEQ ID NO:25
                                                                                                                                                                                                                                                                                                                                                                                  Cisclosure; Page 9, 129pp; English
                                                                                                                                                                                                                                                                                             riede M. Greenwood J.
Turnell WG, Van Meche
                                                                                                                                                            99GB-00044C5.
99GB-0007151.
99GB-0010537.
                                                                                                                                                                                        99GB-0010538.
                                                                                                                                                                                                                    99GB-0021046.
                                                                                                                                                                                                                                      99GB-0025619
99GB-0027698
                                                                                                                                           22-FEB-2000; 2000WO-EP01455
                                                                                                                                                                                                            99GB-0018603
 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6; Conservative
                                                                                                                                                                                                                                                                                              Friede M,
                                                                                                                                                                                                                                                                                                                         WFI; 2000-572073/53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ouery Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6 A.A.
                                                                   allergy; atopy
                                                                                                      WC200050460 AL
                                                                                                                                                          25-FEB-1999;
29-MAR-1999;
                                                                                                                                                                              C7-MAY-1999
07-MAY-1999
07-AUG-1999
07-AUG-1999
07-SEP-1999
29-OCT-1999
23-NOV-1999
 G5-JAN-20C1
                                                                                     Homo sapiens
                                                                                                                        31 AUG-2000
                                                                                                                                                                                                                                                                                                        Randall R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nvention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Seguence
                                                                                                                                                                                                                                                                                              Dyson X.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
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A linkage comprising an immunogenic conjugate useful treatment of IgE

Example 4; Page 21; 48pp; English.

mediated diseases

(ACAM-) ACAMBIS RES LTD. (SMIK) SMITHKLINE BEECHAM BIOLOGICALS

Flinn N. Johnson T. WPI; 2001-521967/57

21.DEC-2000; 2000WO-GBC4935.

W0200145745-A2

28-JUN-2001.

Homo sapiens

Synthetic

2:-DEC-1999; 99GB-003C233; 22-FEB-20C0; 2C00GB-0004C96; 22-AUG-20GC; 20GOGB C0207C7; 22-AUG-20CC; 20C0GB-C0207C8.

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The present invention relates to linkage methodology for use in the conjugation of compounds (e.g. peptides) to carrier vehicles

(e.g. macromolecules, polymers, dendrimers, proteins) to produce

(b.g. macromolecules, polymers, dendrimers, proteins) to produce

(b.g. method for linking an epitope (e.g. a peptide) to a carrier (e.g. a protein) for use in a pharraceutical composition or a vaccine. The protein for use in a pharraceutical composition or a vaccine. The cinvention describes peptides derived from or mimotopes of the compositions of the invention are used to produce conjugated compounds. The compounds or compositions of the invention are useful in the manufacture of a medicament for the treatment of IgE mediated diseases. The invention allows for controlled conjugation of a peptide epitope (antigen) to a protein so as to form an immunogenic conjugate which may be able to protein so as to form an immunogenic conjugate which may be able to raise a protective antibody response in an animal or human patient.

ANJ16612-AAU16913 represent peptides derived from or mimotopes of the Cepsilon2/Cepsilon4 region of human IgE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 31; DB 22; 1
Pred. No. 9.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
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100.0%; Pred
6; M
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Best Local Similarity 100.uv
Tonnes 6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABJ00230
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes a peptide (1) compining an isolated surface exposed group/epitope (B) of Chemilan 2 d main (2) of immunosjobulin E (1921, or its minorite Airo Heritand area (1) or treating allery compitants (1) or compitants (1) or peptide (1) or peptide (1) or peptide (1) or period (1) or compitants (1) or compita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
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1 TICEGE 6

2 ITCEGE

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Gaps

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Length 6;

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THI protein, transgenic plant, resistance, phytopathogen, comycete, hydroxycinnamic acid-coenzyme A, potato, fungicide, infection, tyramine N-hydroxycinnamic acid transferase, tyraminamide biosynthesis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ą
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Potato THT protein fragment #5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY87756 standard, Protein; 6
                                                                                                                                                                                                                                          osteoporosis and osteomalacia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               53.8%;
80.0%;
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98WC-AU00160
                                  97AU-0005662
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Best Local Similarity
4, Conserve
                                                                                                                                                      WPI; 1998-520803/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Solanum tuberosum
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5 AA;
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 13-MAR-1998;
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                                13-MAR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27-APR 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Segrence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention relates to conjugates suitable for use in vaccines, where the conjugate comprises a disulphide bridge cyclised peptide and an immunogenic carrier. The vaccines can be used in the treatment of all allergies. The present sequence is a peptide immunogen devived from imman immunoglobulin B (IgE) suitable to be cyclised and used in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       casein, calcium phosphate complex, amorphous calcium phosphate; ACP, phosphopeptide; delivery vehicle; calcium fluoride, calcium deficiency; osteoporosis; osteomalacia; tooth; bone disease.
                                                                Immunogen; human; 19E; immunoglobulin E; allergy; thio-ether linkage;
vaccine; antiallergic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                Conjugate for use in vaccine for treatment of allergy, compisses disulfide bridge cyclized peptide and immunogenic carrier
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           79.5%; Score 31; DB 23; Length 6; 100.0%; Pred, No. 9.3e+65;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Prec. ....
                                   Human igE immunogenic peptide SEC ID NC:
                                                                                                                                                                                                                                                                                            (SMIK ) SMITHKLINE BEECHAM BICLOGICALS. (PEPT.) PEPTIDE THERAPEUTICS LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                Turnell WG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /rote= "Thr(P)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 4; Page 9; 45pp; English
                                                                                                                                                                                                                            17-AUG-2001; 2001WO-EP09576
                                                                                                                                                                                                                                                            22-AUG-2000; 2000GB-0020717
   (first entry)
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Sest Local Similarity luve.
                                                                                                                                                                                                                                                                                                                                                  Mason S,
                                                                                                                                                                                                                                                                                                                                                                                  WPI: 2002-489648/52
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                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27-NCV-1998
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   02-SEP-2002
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                                                                                                                                                                                          FEB-2002
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Bos taurus.
                                                                                                                                                                                                                                                                                                                                                  Friede M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAW66615;
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The compositions are useful in humans and in veterinary medicine in domestic animals such as cattle, sheep, horses and companion animals e.g. cats and dogs as well as zoo animals. The relationship between the phosphopeptide structure and interaction with amorphous calcium phosphopeptide structure and interaction with amorphous calcium and analogues (AAM6662-22). These studies showed that the cluster sequence Ser(P) Ser(P)-Ser(P)-Glu-Glu-was mainly responsible for the interaction with ACP and that all three contiguous Ser(P) residues are
                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a stable calcium phosphate complex including phosphopetide stabilised amorphous calcium phosphate (ACP) or its derivative, where the phosphopetide includes the amino acid sequence: Ser(P)-Ser(P) Glu-Glu-Glu-Ghe amorphous phases stabilised by the phosphopetides are a delivery vehicle for co-localisation of Ca, producing supplate at the tooth surface in a slow-release amorphous form producing supplementor anticaries efficacy over prior art. The amorphous phases stabilised by the phosphopetides are also useful as distary supplements to increase calcium bioavailability and to help prevent diseases associated with calcium deficiencies. They are particularly useful for treatment or prevention of dental caries, calcium malabsorption and bone diseases such as osteoporosis and osteomalacia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                       Stable calcium phosphate complex including phospho:peptide stabilised amorphous calcium phosphate - useful for treatment of dental caries, calcium malabsorption and bone diseases such as
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Pred. No. 9.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     required for maximal interaction with ACP.
                                                                                                         (UYME ) UNIV MELBCURNE. (VICT-) VICTORIAN DAIRY IND AUTHORITY.
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20-JUL-1995

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This invention describes a novel transgenic plant with increased resistance to infection by phytopathogens, especially Phythophthora infestans, contains, in its genome, a gene construct comprising a checklogius promoter, and a sequence (1) encoding a hydroxycinnamic acid coerayme Aityramine N (hydroxycinnamic acid) transferase (11), and control of the promoter. The products of the invention have fungicide activity. (II) is involved in biosynthesis of tyraminaride which is incorporated into plant cell walls to previde a chemical barrier against pathogens, extracellular tyraminaride inclusis the growth of pathogens. The introduction of [11], into tobacco, cotton, rape, melon, sugar beet, maize, and especially positio or tomato, is used to improve resistance to phytopathogens, particularly P. Infestans or exkarportic cells and its fragments can be used to express [11] in proxaryotic or exkarportic cells and its fragments can be used to except institution or control or exkarportic cells and its fragments can be used to express [12] in proxaryotic cells and its fragments can be used to extend to expense.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hydrophilic, signal oligopeptide, hydrophilicity faximal vaccine, SIV, competitive inhibitor; feedback regulator; synthesis, gastin precursor; chaige, polarity, farnesyl synthesis, plasminogen adilvator inhibitor; hydroxymethylgitutaryl coenzyme. A reductase, glacdyun precursor; thesis; gonadoliberin precursor; plasminogen activator inhibitor 2; protenin; Althelmer amyloid A4; corticotrophin releasing teorior binding protein; apolicoprotein E; herpes virus 1 glycopictein B; HSV; human; OMVVS; herpes virus 2 glycoprotein B; HSV2; collagenase; afolipoprotein A; treponema pallialm membrane protein; Treponema pallialm membrane protein; Treponema pallialm membrane protein; HVV; villV; angiotensingen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sequences from bacteria, fungl, plants and animals. In the antisense orientation, (I) and its fragments can be used to inhibit expression of III in cells. AAY87752-Y8771 represent fragments of the potato solarum tuberosum. THT protein described in the method of the
                                                                                                                                                                                                                       Transgenic plant, especially potato, resistant to Phythophthora
infestans, contains gene for hydroxycinnam.c acid-chenzymeA: tyramine
N-hydroxycinnamic acid transferase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hydroxymethylglutaryl coenzyme A reductase signal oligopaptide #17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              53.8%; Score 21/ DB 21/ Lenyth 6/
90.0%; Pred. No. 9.36+05/
ive 0; Mismatches 1/ Indels
                                                            (BLOP ) BLOPLANT BIOTECHNOLOGISCHES FORSCHUNGSLA (IPBP-) IPB INST PFLANZENBIOCHEMIE.
                                                                                                                                     Seimidt A.
                                                                                                                                                                                                                                                                                                                   Claim 5a; Column 11-12; 12pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAW21.58 standard; peptide; 7 AA
                                                                                                                                  Strack D,
                   98DE-1046001
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                                                                                                                                  Rosahi S,
                                                                                                                                                                                 WPI, 2000-319117/28
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6 AA;
                   06-001-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      29 JUL 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiers
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                                                                                                                                     scheel D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              invention.
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C2.
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peptides. These signal of ignoration represent my printing signal peptides. These signal of ignorations are localised on the surface of the protein and are represented by the hydrophilicity maxima of the protein. These peptides are enriched in charged amino acids the specific signal character of these oligopeptides is determined by a characteristic combination of conformation and charge within the signal sequence. These oligopeptides may be used as vaccines in the treatment of human disease, as competitive inhibitors to prevent or reduce the metabolic action or interaction of a selected protein by blocking its specific signal sequences, or as therapeutic agents to function as feedback regulators to reduce synthesis rate of a selected protein. These peptides may be modified by omitting one or more amino acids at the validout consideration of charge and polarity, by substituting one or more amino acids with amino acid residues with similar charge and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                polarity, by omitting one or more amino acids or a combination of these
                                                                                                                                                                                                                                                                                               The sequences given in AAW21201-560 represent hydrophilic signal oligo-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HIV; HIV-1; human immunodeficiency virus; env; pol; gag; nef; vpr; vpu; vif; tat; cytotoxic T lymphocyte; CTL; immune response; epitope; antigen; vaccine; HIV infection; immunisation; virucide.
                                                                                                                                                                                       Identifying signal oligopeptide(s) in protein sequence(s) - shown as regions of max. Eydrophilicity, used in modulating communication between protein(s)
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Pred. No. 9.3e+05;
1; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human immunodeficiency virus type 1.
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                                                                                                                                                                                                                                                              Claim 5; Page 32; 88pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           53.8%;
                             95WO US00575
                                                            94US-0182248
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Best Local Similarity 80.v.
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                                                                                             (RATH/) RATH
                             12-JAN-1995;
                                                            14-JAN-1994;
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Claim 32; Page 194; 448pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAU05503 standard; Peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic hexapeptide ligand 15.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               53.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
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Best Local Similarity 66..
574 4, Conservative
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WPI; 2001-354887/37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8 A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAU05503;
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                                                                                                                                                 The present invention describes a composition (I) comprising a prepared human immunodeficiency virus-1 (HIV-1) group comprising an amino acid sequence selected from 51 defined amino acid sequences (ABL5347 to ABP5397). (I) has virucide activity and can be used in vaccines. (I) may be used for immunising subjects against HIV-1 infections. The use of particularly when compared to the use of whole antigens in vaccines, particularly when compared to the use of whole antigens in vaccine antigens is directed largely toward variable resions of the artigen, allowing for immune escaped due to mutations. The groups for inclusion in an group-based vaccine may be selected from conserved regions of viral or turnour associated antigens, which therefore reduces the likelihood of
                                                                                                                                                                                                                                                                                                                                          escape mutants. Furthermore, immunosuppressive groups that ray be present in whole antigons can be avoided with the use of group based vaccines. An additional advantage of an group-based vaccine approach is the ability to combine selected groups (CTL and HTL), and further, to modify the composition of the groups, achieving, for example, enhanced
                                                                                                                                                                                                                                                                                                                                                                                                  composition of the groups, achieving, for example, enhanced immunogenicity. Accordingly, the immune response can be reducated, as appropriate, for the target disease. Similar engineering of the response is not possible with traditional approaches. ABP1150: to ABP2412 represent peptide sequences used in the exemplification of the present
                                                                        Vaccine compositions comprising human immunodeficiency virus 1 (HIV-1) peptide groups, useful for vaccinating against HIV-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HIV; HIV-1; human immunodeficiency virus; env; pol; 439; nef; vpr; vpu; vif; tat; cytotoxic T lymphocyte; CTL; immune response; epitope; antigen; vaccine; HIV infection; immunisation; virucide.
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 Livingston BD, Chesnut F;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              53.8%; Score 21; DB 22; Leggth 0; 66.7%; Pred. No. 9.3e+05; rive 1; Mismatches 1; Indels
   Southwood S, Livi:
Kubo RT, Grey HM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MIV A24 super motif pol peptide #60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human immunodeficiency virus type 1.
                                                                                                                           Claim 32; Page 138; 448pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABP15880 standard; Peptide: 8 AA
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Celis E,
 Sidney J,
Celis E,
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Matches 4: Conserv
                                              WPI; 2001-354887/37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 8 MA
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Baker UM,
   Sette A. S
Baker DM,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              escape mutants. Furthermore, immunosuppressive groups that may be present in whole antigens can be avoided with the use of group-based vaccines. An additional advantage of an group-based vaccines. At a dditional advantage of an group-based vaccine approach is the ability to combine selected groups (CTL and HTE), and further, to modify the composition of the groups, achieving, for example, enhanced inmunogenicity. Accordingly, the immune response can be modulated, as appropriate, for the target disease. Similar engineering of the response is not possible with traditional approaches. ABPIISO1 to ABP25412 represent peptide sequences used in the exemplification of the present
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Multivariate Quantitative Structure Activity relationships.
Vaccine compositions comprising human immunodeficiency virus-1 (HIV-1) peptide groups, useful for vaccinating against HIV-1 -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ·.
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Thu Nov

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The sequence represents a hexapeptide iigand selected according to 2 (18-13) fractional factorial design +3 cp (or 1 up 2 random), which were used to model the increaction of a liquid with its target. The invention relates to characterising the interaction between a liquid Y and a Target X by obtaining information [e.g Multivariate Quantitative C tracture Activity relationships, MCSAR) representing one or more physical and/or chemical properties of targets of type X and type Y to produce a model of interaction. The methods of the invention are useful for identifying outliers of type X or cutliers of type Y to produce a model of interaction. The methods of the invention are useful for identifying outliers of type X or cutliers of type Y drug design, design or identification of lead compounds (e.g by high throughput screening, HTS), design of ligands of type Y, with improved affinity and/or selectivity for targets of type X, protein improved affinity and/or selectivity for targets of type X, protein of type X or artificial ligands of type Y, analysis and/or in the engineering of regions and/or parts of type X, analysis and/or in the compound of organic compound, eachlyst, pharmaceutical, drug, protein, enzyme, antibody, molecule, macromolecule, peptidomemetic, carboydrater. The methods are also useful for designing new ligands for by the marganese and or the engineering of the analysis of the carbon antibody, molecule, macromolecule, that are also useful for designing new ligands for by the marganese and or the methods are also useful for designing new ligands for an antibody.
peptide libraries and Multivariate Cuantitative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HSp47 binding heptapeptide, phage display library.
HSp47 external domain, carcinoma, carces, targetting helderie,
therapy, diagnosis, detection, imaging, drug dellayery, invasion,
migration, metastrasis, modulation; tumour, skin, haval cells, colon,
large intestine, lung, breast, bladder, oral cancer,
head and neck cancer, larynx, nasopharynx, adrenal contex;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         51.3%; Score 20; DB 22; Tength 6; 80.0%; Pred. No. 9.38+05; ive 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         apocrine gland; kidney; liver; pancreas; prostate.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   known targets and/or for new targets.
                                                                  Example 7; Fig 29; 131pp; English
                       Structure Activity Relationships
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB23212 standard, peptide, 7 AA
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  informative
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Search completed: November 5, 2003, 17:20:36

Job time : 34.5 secs

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                                                                                                                                                                                                                                                                            coupled with a therapeutic moiety (such as a cytotoxic agent or a managed with a therapeutic moiety (such as a cytotoxic agent or a maging. Carcinomas which may be treated or diagnosed according to methods of the invention include those of the skin, basal cells, large intestine, lung, colon, breast, bladder, oral, head and neck, larynx, asceptants, carcine glands, kidney, liver, pancreas, or prostate. Targetting carcinoma cells with Hsp4-binding agents results in efficient delivery of therapeutic agents, reduced doses, reduced side effects and sensitive detection or Imaging of carcinoma cells. Sequences AAB21204-B2340 represent phage display library heptapeptides identified as being able to bind Hsp47 in an exception of the invention.
                                                         The invention relates to methods of treating and diagnosing carcinomas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
 comprising targeting molety which binds to Hsp47 external domain
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                             Example 5; Page 9; 87pp; English.
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80.0%;
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Best Local Similarity
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Sequence 128, Application US/10372076
Publication No. US20030198645A:
GENERAL INFORMATION:
APPLICANT: Page, Mark
APPLICANT: Friede, Martin
TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 2
US-10-372-076-128
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US-10-082-014-274
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Sequence 1019, App
Sequence 1017, Ap
Sequence 1221, Ap
Sequence 1231, Ap
Sequence 1221, Ap
Sequence 1221, Ap
Sequence 1231, Ap
Sequence 1231, Ap
Sequence 1231, Ap
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Sequence 793, App
Sequence 813, App
Sequence 2617, Ap
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                                                                                                             ) Search time 22 Seconds (without alignments) 62.454 Million cell updates/sec
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(cgn2 6/ptodata/2/pubpaa/USC7_PUBCCM3.pep:*

2: /cgn2 6/ptodata/2/pubpaa/USC6_NEW_PUB_pep:*

3: /cgn2 6/ptodata/2/pubpaa/USC6_PUBCCM3.pep:*

4: /cgn2 6/ptodata/2/pubpaa/USC6_PUBCCM3.pep:*

5: /cgn2 6/ptodata/2/pubpaa/USC6_PUBCCM3.pep:*

6: /cgn2 6/ptodata/2/pubpaa/USC7_RW_PUB_pep:*

7: /cgn2 6/ptodata/2/pubpaa/USC7_PUBCCM3.pep:*

8: /cgn2 6/ptodata/2/pubpaa/USC3_PUBCCM3.pep:*

10: /cgn2 6/ptodata/2/pubpaa/USC3_PUBCCM3.pep:*

11: /cgn2 6/ptodata/2/pubpaa/USC3_PUBCCM3.pep:*

12: /cgn2 6/ptodata/2/pubpaa/USC3_PUBCCM3.pep:*

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14: /cgn2 6/ptodata/2/pubpaa/USC3_PUBCCM3.pep:*

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17: /cgn2 6/ptodata/2/pubpaa/USC3_PUBCM3.pep:*

18: /cgn2 6/ptodata/2/pubcM3.pep:*

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Compuger Ltd.
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GenCore version
Copyright (c) 1993 2003
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Maximum Match 100%
Listing first 45 summaries
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Gapop 10.0 , Gapext 0.5
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Match Length F
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Perfect score:
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Maximum DB
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Sequence 271, Application US/10082014
Publication No. US2003018585841
GENERAL INFORMATION:
BLYCORDATION:
TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES STABILIZED WITH AN N-TERMINAL (FILE REFERENCE: ICC-130.0 4564/85124
CURRENT APPLICATION NUMBER: 29/930,915
PRICE APPLICATION NUMBER: 09/930,915
PRICE APPLICATION NUMBER: 09/930,915
PRICE SEC ID NOS: 290
SOFTWARE: PATENTIN VETSION 3.1
SEQ ID NO 274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ٥;
                                                                                                                      Sequence 33, Applisequence 16, Applisequence 16, Applisequence 21, Applisequence 21, Applisequence 31, Applisequence 31, Applisequence 41, Applisequence 64, Applisequence 64, Applisequence 64, Applisequence 16, Applisequence 16,
                                                                                                      2617, Ap
33, Appì
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100.0%; Score 39; DB 12; 100.0%; Pred. No. 5.8e+05;
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-10-375-992-145
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US-09-988-117-16
US-10-375-992-145
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Best Local Similarity 100.
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ORGANISM: Homo sapiens
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Publication No. US20030068675A;
Publication No. US20030068675A;
SENERAL INFORMATION:
APPLICANT: LIU, Qiang
ITILE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
ITILE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REPRENCE: 8035-0031, 21 / S11-US3
CURRENT APPLICATION NUMBER: US/09/990,186
CURRENT FILING DATE: 2001-11-20
NUMBER CF SEQ ID NOS: 4085
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                           Sequence 1231, Application US/09989789
Retent No. US20020063379A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: LIU, Otang
TITLE OF INVENTION: TRIPLETS BY ZING FINGERS
TITLE OF INVENTION: TRIPLETS BY ZING FINGERS
FILE REFERENCE: 8325.3011.20 / S11.US2
CURRENT FILING DATE: 2002-03.25
NUMBER OF SEQ ID NGS: 4085
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ) OTHER INFORMATION: Description of Artificial Sequence: example ZFP US-09-989-789-1231
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                                                                                          1; Indels
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80.0%; Pred. No. 5.8e+05;
11ve 0; Mismatches 1; Indels
                                                Score 20; DB 9; Length 7; Pred. No. 5.8e+05;
                                                                                          0; Mismatches
                                            51.3%;
80.0%;
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ORGANISM: Artificial Sequence
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                            Query Match
Best Local Similarity 80.0.
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Best Local Similarity 80.0
Matches 4, Conservative
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Best Local Similarity 80.0
Enc. 4: Conservative
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US-09-990-186-1319
        US-09-989-789-1222
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US-09-989:789-1231
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US-09-990-186-1222
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US-09-989-789-1017
US-09-989-789-1017
Sequence 1017, Application US/09989789
Sequence 1017, Application US/09989789
Sequence 1017, Application US/09989789
Sequence 1017, Olang
APPLICANT: LIU, Olang
TITLE OF INVENTION: POSITION DEPENDENT RECCGNITION OF GNN NUMBER: TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REFERENCE: 8325-0011.20 / S11-US2
CURRENT APPLICATION NUMBER: US/09/989,789
CURRENT FILING DATE: 2002-03-25
NUMBER OF SEQ IC NOS: 4085
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1222, Application US/09989789
Parent No. US2002063379A1
GENERAL INFORMATION.
APPLICANT: LIU, Olang
TITLE OF INVENTION. TREPLETS BY ZINC FINGERS
TITLE OF INVENTION. TREPLETS BY ZINC FINGERS
FILE REFERENCE: 8125-0011.20 / S11-US2
CURRENT APPLICATION NUMBER: US/09/989,789
CURRENT FILING DATE: 2002-03-25
NUMBER OF SEQ ID NOS: 4086
SOFWARE: Parentin Ver. 2.0
SEQ ID NO 1222
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US-09-969-789-1017
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CURRENT APPLICATION NUMBER: US/10/372,076
CURRENT FILING DATE: 2003-02-21
PRIOR PELICATION NUMBER: 10/080,295
PRIOR FLING DATE: 2002-02-21
PRIOR FLING DATE: 2002-02-22
PRIOR FLING DATE: 2002-02-22
PRIOR FLING DATE: 2002-02-22
NUMBER OF SEC ID NOS: 308
SOFTWARE: Recently version 3.2
SEC ID NO 128
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 80.0.
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Best Local Similarity 100.
Matches 8; Conservative
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7 ORGANISM: Homo sapiens
US 10 372-076-128
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LENGTH: 7
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TYPE: PRI
ORGANISM: Artificial Sequence
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Sequence 1231, Application US/C990196

Sequence 1231, Application US/C990196

Publication No. US20030068678A1

GENERAL INFORMATION:

APPLICANT: LIU, Qiang

TITLE CF INVENTION: POSITION DEPENDENT RECOGNITION OF HIN MUCLEOTIDE

TITLE CF INVENTION: TRIPLETS BY ZINC FINGERS

FILE REFERENCE: 8325-0311.21 / S11-US3

CURRENT APPLICATION NUMBER: US/09/990,186

CURRENT FILING DATE: 2001-11-20

NUMBER OF SEC ID NOS: 4085

SOFTWARR: Patentin Ver: 2.0

SEC ID NO 1231
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TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF SHU NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REFERENCE: 8325-0011.20 / $1:-US2
CURRENT APPLICATION NUMBER: US/09/989,994
CURRENT FILING DATE: 2001-11-20
NUMBER CF SEQ ID NOS: 4085
SOFTWARE: Patentin Ver: 2.0
SEQ ID NO 1017
Sequence 1222, Application US/0990186
Publication No. US2003068675A1
GENERAL INFORMATION:
PAPELICANT: LIJ, QLANG
TITLE OF INVENTION: PROSITION DEPENDENT RECOGNITION OF ONN NUCLECTIDE
TITLE OF INVENTION: TRIPLETS BY ZLY.
CURRENT APPLICATION NUMBER: US/09/990,186
CURRENT APPLICATION NUMBER: US/09/990,186
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: PATENTIN VOY: 2.0
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ORGANISM: Artificial Sequence
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80.0%;
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                   SEC ID NO 1222
LENGTH: 7
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                                                                                                                                                                                                                                                                                                                          Sequence 1222, Application US/998994
| Publication No. US2030104526A1
| GENERAL INFORMATION:
| APPLICANT: LIU, Qiang
| TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
| TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
| FILE REFERENCE: 8325-0011.20 / S11-US2
| CURRENT APPLICATION NUMBER: US/09/989, 994
| CURRENT FILING DAIE: 2001-11-20
| NUMBER OF SEQ ID NOS: 4085
| SOFTWARE: PATENTIN Ver. 2.0
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Sequence 1231, Application US/C9989994
Sequence 1231, Application US/C9989994
Sequence 1231, Application US-09-9994
GENERAL INFCRMATICN:
APPLICANT: LIU. Older
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLEOTIDE
TITLE OF INVENTION: TRIPLETS BY ZINC FINGERS
FILE REFERENCE: 8325 0011 20 / S11-US2
CURRENT APPLICATION UNMBER: US/09/989,994
CURRENT FILING DATE: 201-11-20
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1231
FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: example ZFP
US-09-989-994-1017
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                                                                                       Score 20; DB 11; Length 7; Pred. No. 5.8e+05;
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Best Local Similarity 80.00.
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Matches 4, Conservative
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                              Sequence 708, Application US/09089789

Parent No. US20020603379A.
GENERAL INFORMATION.
GENERAL INFORMATION.
TITLE OF INVENTION. POSITION DEPENDENT RECOGNITION OF GNN NUCLEARING TITLE OF INVENTION. PRIPLETS BY ZINC FINGERS
FILE REPRENCE: 8125-0611.20 / S11 US2
CURRENT APPLICATION NUMBER: US/09/989, 859
NUMBER OF SEQ ID NOS: 4085
SOFTWARE: PARENTIN Ver. 2.0
SEQ ID NC 708
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Sequence 813, Application US/09989789
| Patent No. US2002063379A1
| GENERAL INFORMATION:
| APPLICANT: LIK, Grang
| TITLE, OF INVENTION: POSITION DEPENDENT RECOGNITION OF SHE UDGESTIDE
| TITLE, OF INVENTION: PRIPLETS BY ZINC FINSERS
| FILE REFERENCE: 8325-0011.20 / S11 US2
| CURRENT FILING DATE: 2002-03-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: LIU, Qiang
TITLE OF INVENTION:
POSITION DEPENDENT RECUMNITION OF URI SULLE ITDE
TITLE OF INVENTION:
FILE OF INVENTION:
FILE OF INVENTION:
CURRENT APPLICATION NUMBER: US/09/999,789
CURRENT FILING DATE: 2002-03 25
NUMBER OF SEC ID NOS: 4085
SCHWARR: PAUGITIN Ver. 2.0
SEQ ID NO 793
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CTHER INFORMATION: Description of Attiticial Sequence, example ZFP US-09-989-789-793
                                                                                                                                                                                                                                                                                                                                                                                                            ; CTHER INFORMATION: Description of Art:ficial Sequence: example ZFP US-09-989-789-708
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Rest Local Similarity 80.0%; Pred. No. 5.80+059;
Matches 4; Conservative 0; Mismatches 1; Indels
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48.7%; Score 19; DB 9; Length 7;
Best Local Similarity 80.0%; Pred. No. 5.8e-05;
Matches 4; Conservative 0; Mismatches i; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               U.S-09-989-789-793
/ Sequence 793, Application US/09989789
/ Patent No. US20020063379A1
                                                                                                                                                                                                                                                                                                                                                                                     CRGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT ORGANISM: Artificial Sequence
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: QTGEL 5
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US-09-989-789-813
RESULT 12
US-09-989-789-708
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Patent No. US2020063379A1
GENERAL INFORMATION:
APPLICAT': LIU, JOANG
TITLE OF INVENTION:
TITLE OF INVENTION: POSITION DEPENDENT RECOGNITION OF GNN NUCLECTIDE
TITLE OF INVENTION: POSITION OF SW 21N°C FINGERS
FILE REFERENCE: 8325-0011.20 / S11-US2
CURRENT APPLICATION NUMBER: US/09/989,789
CURRENT FILE OF INCS: 4085
SOFTWARE: PATENTIN VOY: 2.0
SEQ ID NOS: 4085
SEQ ID NO 2617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Description of Artificial Sequence: example ZFP US-09-989-789-26.7
                                                                                                                                   OTHER INFORMATION: Description of Artificial Sequence: example ZFP
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Pred. No. 5.8e+05;
0; M.smatches 1; Indels
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Job time : 22 secs
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                                                                                               ORGANISM: Artificial Sequence FEATURE:
NUMBER OF SEQ ID NOS: 4085
SCFTWARE: Patentin Ver. 2.0
SEQ ID NO 813
LENGTH: 7
TYPE: PRT
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Best Local Similarity 80.55
....hes 4; Conservative
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Best Local Similarity 80.0
Matches 4; Conservative
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| QTGEL 5
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US-C9-989-789-2617
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Title: Perfect score:

Sequence

OM protein

Run on:

Scoring table:

Searched

Minimum DB Maximum DB

Database

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Sequence 145, App
Sequence 145, App
Sequence 145, App
                        17, Apr
145, App
29, Appl
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60, Appl
27, Appl
7, Appli
9, Appli
45, Appl
45, Appl
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Sequence 174, App
Sequence 9, Appli
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| Patent No. 382710
| GENERAL INFORMATION:
| APPLICANT: Uchida, Kohji
| APPLICANT: Matsukawa, Hirokazu
| APPLICANT: Fujita, Tuyosi
| TILLE OF INVENTION: DNA ENCODING THE SUBUNIT OF AVIAN
| TILLE OF INVENTION: LACTATE DEHYDROGENASE
| NUMBER OF SEQUENCES: 12
| CORRESPONDENCE ADDRESS: ADDRESSE: ADDRESSE: NIXON & VANDEMHYE P.C.
| STREET: 1100 No. 592771Cth Glebe Rd. 8th floor
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COMPUTER: PARCHILL SONNS-DCS
SOFTWARE: PARCHILL Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/869,506
FLING DATE: 05-JUN-1997
CLASSIFTAMION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 73797/1996
FLING DATE: 29-MAR-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     53.8%; Score 21; DB 2; Le
100.0%; Pred. No. 2.5e+05;
ive 0; Mismatches 0;
ALIGNMENTS
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REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 159-43
TELECOMMINICATION INFORMATION:
TELEPHONE: 763-816-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 703-816-4100
INFORMATION FOR SEC ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 7 amino acids
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Best Local Similarity
Matches 4; Conserv
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         STRANDEDNESS
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       109, App
64, Appl
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Sequence 9, 1
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sequence 78,
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..../cgnZ_6/ptodata1/iaa/5A_COXB.pep:*
.../cgnZ_6/ptodata1/iaa/5B_COXB.pep:*
.../cgnZ_6/ptodata1/iaa/6A_COXE.pep:*
.../cgnZ_6/ptodata1/iaa/fB_COXB.pep:*
.../cgnZ_6/ptodata1/iaa/FB_COXB.pep:*
.../cgnZ_6/ptodata1/iaa/PCTUS_COXB.pep:*
                          GenCore version 5.1.6
(c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-173-94-176-178-95-177-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-188-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96-178-96
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                       using sw model
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Gapop 10.0 , Gapext 0.5
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39
1 STTQEGEL 8

    protein search,

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                                                   Copyright
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seg length: 8
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Match
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Score

Result No.

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G D à

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APPLICANT: Houghten, Richard A.
APPLICANT: Cuervo, Julio H.
APPLICANT: Pinilab Clemencia
APPLICANT: Appel Jr., Jon R.
APPLICANT: Blondelle, Silvie
TITLE OF INVENTION: Synthesis Of Equimolor Multiple
TITLE OF INVENTION: Oligomer Mixtures, Especially Of Oligopeptide Mixtures
NUMBER OF SEQUENCES: 91
                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                         ; OTHER INFORMATION: Description of Artificial Sequence: nucleotide; OTHER INFORMATION: codon binding sequence
US-09-173-941-77
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                                                                                                                                                                                                                                                                                                     1; Indels
                                                                                                                                                                                                                                                            Length 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               180 No. 5534190th Stetson Avenue, Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence: OTHER INFORMATION: codon binding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 78, Application US/09173941
Patent No. 6140091
GENERAL INFORMATION: GARLOS F.
APPLICANT: BARBAS, Carlos F.
TITLE OF INVENTION: ZINC FINGER BINDING DOMAINS FOR GNN
FILE REPERENCE: NOVOC8:S
CURRENT APPLICATION NUMBER: US/09/173,941
CURRENT FILING DATE: 1998-10 16
NUMBER: OF SEQ ID NGS: 120
SOFTWARE: Patentin Ver. 2.1
SEG ID NO 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Goldsmith, Shore, Sutker & ADDRESSEE: Mil:amow, Ltd.
                                                                                                                                                                                                                                                          51.3%; Score 20; DB 3; I
80.0%; Pred. No. 2.5e+05;
ive 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STATE: Illinois
COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 91, Application US/08253854 Patent No. 5504190 GENERAL INFORMATION:
CURRENT FILING DATE: 1998:10:16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                          TYPE: PRT ORGANISM: Artificial Sequence
                    NUMBER OF SEQ ID NOS: 120
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 77
LENGTH: 7
                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 80.0
Matches 4, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 60631
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4 CEGEL 8
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US-09-173-941-78
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US-C8-253-854-91
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                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH:
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                                                                                                                                                                  Sequence 9, Application US/39128967

Patent No. 605714;

GENERAL INFORMATION:
GENERAL UCHICAL
APPLICANT:
MAISUKAWA, HICKAZU
APPLICANT:
MAISUKAWA, HICKAZU
APPLICANT:
MAISUKAWA, HICKAZU
APPLICANT:
FUJITA, TUYOS;
TITLE OF INVENTION:
TATLE OF INVENTION:
LACTATE DEHYDROGENASE
NUMBER OF SQUENCES:
11
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICAN': BARBAS, Carlos F.
ITLE OF INVENTION: ZIND FINGER BINDING DOMAINS FOR GNN
FILE REFERENCE: NOVD081S
CURRENT APPLICATION NUMBER: US/C9/173,941
                                                                                                                                                                                                                                                                                                                                                                                                                                     8th floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/128,967
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  53.8%; Score 21; DB 3; Dx 100.0%; Pred. No. 2.5e+05; ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: NIXON & VANDERHYE P.C.
STREET: 1100 No. 6057141th Glebe Rd.
CITY: Arlington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRICE APPLICATION DATA:
APPLICATION NUMBER: US 08/869,506
FILING DATE: 05-0UN-1997
APPLICATION NUMBER: UP 73797/1996
FILING DATE: 29-MAR-1996
ATTORNEY/AGENT: NFORMATION:
NAWE: CRAMEOA ARTHUR R.
REGISTRATION NUMBER: 25,327
RETERENCE/DOCKET NUMBER: 159-43
TELECHANNINGATION INFORMATION:
TELECHAN: 703-816-4000
TELECHAN: 703-816-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZPP: 2200.474.
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 77, Application US/09173941
Patent No. 6140081
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ 10 NO. 9. SEQUENCE CHARACTERISTICS. JENGTH: 7 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US:09 128-967-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 4: Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
STRANDEDNESS:
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CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    USA
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                      4 CEGE 7
                                                               3 QEGE 6
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US-09-173-941-77
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                                                                                                                              RESULT 2
US 09 128-967-9
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Sequence 2, Application US/09188579B
Patent No. 6107040
GENERAL INFERMATION
GENERAL INFERMATION:
TITLE CF INVENTION: Pharmacological Targeting of mRNA Cap Formation
FILE REFERENCE: D6185
CURRENT APPLICATION NUBER: US/09/188,579B
CURRENT FILING DATE: 1998-11:09
NUMBER OF SEQ ID NOS: 114
LENGTH: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 48.7%; Score 19; DB 1; Length 8; Best Local Similarity 66.7%; Pred. No. 2.5e+05; Matches 4; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   48.7%; Score 19; DB 3; Length 8; 57.1%; Pred; No. 2.5e+05; live :; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Motif III of RNA guanylyltransferase.
                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PACENTIA Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/259,550A
FILING DATE: 16-JUN-1994
CLASSIETCATION: 5.14
ATTORNEY/AGRYT INFORMATION:
NAME: MISTOCK, S. LESIDE
REGISTROCK/DOCKET NUMBER: 18.872
REGISTROCK/DOCKET NUMBER: 7142-011
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (212) 790-9090
TELEFAX: (212) 790-9090
TELEFAX: 6.11 PROM TELEFAX: (212) 780-9090
TELEFAX: 6.14 PENNIE
INFORMATION POR SEQ 1D NO: 90:
SEQUENCE CHARACTERISTICS:
FUNCTURE A MAIND ACIDS
TENDERMATION POR SEQ 1D NO: 90:
         1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: Saccharomyces cerevisiae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 8, Application US/091885798
; Patent No. 6107040
; GENERAL INFORMATION
; APPLICANT: Shaman, Stewart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 57.1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        , MOLECULE TYPE: peptide
US-08-259-550A-90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    amino acid
                                                 E: New York
TRY: U.S.A.
10036-2711
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| Tiidger 7
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                               New York
                             CITY: Nev
STATE: Ne
COUNTRY:
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US-09-188-579-8
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US-09-188-579-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CTHER INFORMATION: Description of Artificial Sequence: nucleotide CTHER INFORMATION: codon binding sequence 39-173-941-76
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Farent No. 614081

Sequence 76, Application US/09173941

Farent No. 614081

SEMERAL INFORMATION:

APPLICANT: BARBAS, Carlos F.

TITLE OF INVENTION: ZINC FINGER BINDING DOMAINS FOR GNN

TITLE OF INVENTION: ZINC FINGER BINDING DOMAINS FOR GNN

CURRENT APPLICATION NUMBER: US/09/171,94:

CURRENT APPLICATION NUMBER: US/09/171,94:

NUMBER OF SEQ ID NOS: 120

SEQ ID NO 76

LENGTH: 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 48.7%; Score 19; DB 1; Length 6; Best Local Similarity 66.7%; Pred. No. 2.5e+05; Matches 4; Conservative 6; Mismatches 2; Indeis
MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.6, Version #1.25 CURRIT APPLICATION DATA: APPLICATION NUMBER: US/08/253,854
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Counts, David F.
APPLICANT: Duff, Ronald G.
TITLE OF INVENTION: Anti-Inflammatory Peptides
NUMBER OF SEQUENCES: 91
                                                                                                                                                  CLASSIFICATION: 435
ATORNEY/AGENT INFORMATION:
NAME: Gameson Edward F.
REGISTRATION NUMBER: 29.381
REFERENCE/DOCKET NUMBER: PRL.0003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312)616-5400
INFORMATION FOR SEQ ID NO: 91:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   // Sequence 90, Application US/08259550A
// Patent No. 5776892
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ADDRESSEE: PENNIE & EDMONDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
CRUANISM: Artificial Sequence
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Best Local Similarity 80.07
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MOLECULE TYPE: peptide

US-28-253-854-91
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                                                                                                                                       FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 7
US-08-259-550A-90
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LENGTH: 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
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TILLE CF INVENTION: Pharmacological Targetin; of meth Cup Forfation
FILLE REFERENCE: D6885CIP
CURRENT APPLICATION NUMBER: US/09/115,444A
CURRENT APPLICATION NUMBER: US 09/184,579
PRIOR PRIOR TELING DATE: 1999-11-09
NUMBER OF SEQ ID NOS: 116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 10
US-09-188-579-14
Sequence 14, Application US/091885755
Sequence 14, Application US/091885755
Patent No. 6167040
GENERAL INFORMATION:
APPLICANT: Shuman, Stewart
TILE OF INVENTION: Pharmacological Targeting of CHNA (ap Furmation)
FILE BEFERENCE: D6.85
CURRENT APPLICATION NUMBER: US/09/188,5798
CURRENT FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 114
TITLE OF INVENTION: Pharmacological Targeting of MRNA Cap Forfation FILE REFERENCE: D6.85
CURRENT APPLICATION NUMBER: US/09/198,579B
CURRENT FILING DATOR: 1998-11-09
NUMBER CF SEQ ID NOS: 114
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                                                                                                                                                                                                                                                                             Query Match 48.7%; Score 19; DB 3; Length 5; Best Local Similarity 57.1%; Pred. No. 2.5e-05; Matches 4; Conservative 1; Mismatches 2; Indels Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query March 48.7%; Score 19; UR 3; Length P.) Best Local Similarity 57.1%; Pred: No. 2.5m-35; Matches 4; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   48.7%; Sc.rell9, 78.7; [eq.mb.45
57.1%; Pred No ..5e+35;
                                                                                                                                                                                                 ; OTHER INFORMATION: Motif III of RNA guanyly;transferase
US:09 188:579:8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTHER INFORMATION: Motif III of RNA guarylyltransferase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        , OTHER INFORMATION: Motif III of RNA guanylyltransferse
US 09 188 579 14
                                                                                                                                                     TYPE: PRT ORGANISM: Schizosaccharomyces pombe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           // Sequence 2, Application US/09315444A
// Patent No. 6232070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT ORGANISM: Saccharomyces cerevisian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPGANISM: Candida albicans
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Best Local Similarity
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LENGTH: 8
                                                                                                          SEQ ID NO 8
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  Gaps
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APPLICATION: Shewart
TITLE OF INVENTION: Pharmacological Targeting of mRNA Cap Formation
FILE REFERENCE: D6185C1P
CURRENT APPLICATION NUMBER: US/09/315,444A
CURRENT FILING DATE: 1996.03, 20
PRICE APPLICATION NUMBER: US 09/188,579
PRICE APPLICATION NUMBER: US 09/188,579
PRICE ELING DATE: 1996.11.09
NUMBER OF SC ID NOS: 116
SEQ ID NO 14
                                                                                                                                                                                                                                           APPLICANT: Shuman, Stewart
TITLE OF INVENTION: Pharmacological Targeting of mRNA Cap Formation
FILE REFERENCE: D6185CIP
CURRENT APPLICATION NUMBER: US/09/315,444A
CURRENT FILING DATE: 1999-05-26
PRIOR APPLICATION NUMBER: US 09/188,579
PRIOR STILING DATE: 1998-11-09
NUMBER OF SEQ ID NGS: 116
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 48.7%; Score 19; DB 3; Length 8; 57.1%; Pred; No. 2.56+05; vative I; Mismatches 2; Indele
  Indels
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US-09-315-444-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CTHER INFORMATION: Motif 111 of RNA guanylyltransferase
  ..
Mismatches
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US-09-315-444-14
; Sequence 14, Application US/09315444A
; Patent No. 6232070
                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT CRGANISM: Schizosaccharomyces pombe
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Sequence 10, Application US/09230548
Patent No. 620466
GENERAL INFORMATION
APPLICANT: Buttaro, Johang P
                                                                                                                                                                                  ; Sequence 8, Application US/09315444A ; Patent No. 6212070 ; GENERAL INFORMATION:
    1;
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Best Local Similarity 57...
4; Conservative
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  4, Conservative
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| TLIDGEL 7
                                        2 TIQEGED 8
    Matches
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APPLICANT: Petryshyn, Raymond
APPLICANT: The Government of the United States of America
APPLICANT: The Government of the United States of America
APPLICANT: Serented by The Secretary,
APPLICANT: Serented by The Secretary,
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Double-Stranded RNA Dependent Protein Kirase Derived
TITLE OF INVENTION: Deptides to Pronte Proliferation of Cells and Tissues
TITLE OF INVENTION: 10 a Controlled Manner
FILE REFERENCE: C15280-286200US
GURRENT FILING DATE: 1999-07-23
EARLIER APPLICATION NUMBER: US 60/223,307
EARLIER FILING DATE: 1996-07-23
EARLIER FILING DATE: 1996-07-29
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 10
SEQ ID NO 10
SEQ ID NO 10
SECOND SE
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Patent No. 6420163
DEMERAL INFORMATION:
APPLICATION SHOWNTON:
TITLE OF INVENTION: Pharmacological Targeting of TENA Cap Formation FILE REPREMEDE: D6185CIP/C CURRENT APPLICATION NUMBER: US/29/721,362
PRICE APPLICATION NUMBER: US 039/315,444
PRICE APPLICATION NUMBER: US 039/315,444
PRICE FILING DATE: 1999-05-20
PRICE FILING DATE: 1999-05-20
PRICE FILING DATE: 1999-05-20
SEQ 1D NO. 2
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Best Local Similarity 57.1%; Pred. No. 2.56+05;
Matches 4; Conservative 1; Mismatches 2; Indels
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Best Local Similarity 57.1%; Pred. No. 2.5e-05;
Matches 4; Conservative 1; Mismatches 2; Inde.s
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Saccharomyces cerevisiae
FEATURE:
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US-09-721-362-2
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Search completed: November 5, 2003, 17:23:35 Job time : 14 secs

1 TLIBGEL 7

2 TTQEGEL 8

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RESULT 1
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neuromedin C - bov
1g heavy chain CRD
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gonadoliberin II -
gonadoliberin I -
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                                                5, 2003, 17:29:45 ; Search time 1: Seconds (without alignments) 87:426 Million cell updates/sec
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        Compagen Ltd.
GenCore version 5.1.6 (c) 1993 - 2003 Compug
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Maximum Match 100%
Listing first 45 summaries
                                    OM protein - protein search, using sw model
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T14906
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RHPGG
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712329	714212	714215	T14223	301367	PT0565	PT0532	PT0650	JS0302	A60320	865913	578420	157650	509387	S13224	C39191
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9	31	32	33	34	35	36	3.7	3.8	68	0.		1.5	23	4	5

ALIGNMENTS

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Gradiabelin - pig
Crispecies: Sus scrote domestica (domestic pig)
Crispecies: Sus scrote domestica (domestica pig)
Crispecies: Sus scrote domestica (domestica pig)
Crispecies: Sus scrote domestica (domestica pig)
Crispecial (domestica pig)
Crispecial (domestica pig)
Crispecial (domestica pig)
Aritle: Structure of the porcine LH- and FSH-releasing hormone. II. Confirmation of the Aritle: Suchestica (domestica pig)
Aritle: Surcture (domestica pig)
Aritle: Synthesis of the porcine LH- and FSH-releasing hormone by the solid-phase meth Aritle: Synthesis of the porcine LH- and FSH-releasing hormone by the solid-phase meth Aritle: Synthesis of the porcine LH- and FSH-releasing hormone and biological Aritle: Annotation; Synthesis
Aritle: Synthesis (domestica domestica domestica pig)
Arithe: On the tryptophan residue in porcine LH and FSH-releasing hormone.
Aritle: On the tryptophan residue in porcine LH and FSH-releasing hormone.
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C;Comment: This hypothalamic hormone stimulates the secretion of both luteinizing and f
                                                                                                                C;Accession: A49187
R;Sower, S.A.; Chiang, Y.C.; Lovas, S.; Conlon, J.M.
Endocrinology 132, 1125-1131, 1993
A;TitLe: Primary structure and biological activity of a third gonadotropin-releasing ho
A;Reference number: A49187; MUID:93178316; PMID:8440174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0
gonadotropin-releasing hormone III - sea lamprey
C;Species: Petromyzon marinus (sea lamprey)
C;Date: 19-Dec-1993 #sequence_revision 18-Nov-1994 #text_change 03-Mar-1995
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  A,Experimental source: brain
A,Note: sequence extracted from NCBI backbone (NCBIP:126381)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 50.00.
Thes 3: Conservative
                                                                                                                                                                                                                                                                                                                                 A.Status: preliminary
A.Molecule type: protein
A.Residues: 1-10 <SOW>
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NAIdernate names: gonadotropin-releasing hormone II
C;Species: Alligator mississippiensis (American alligator)
C;Species: Alligator mississippiensis (American alligator)
C;Date: 31 Mar-1993 #sequence_revision 31-Mar-1993 #text_change 18-Mar-1997
C;Accession: B60066
R;Lovejoy, D.A.; Fischer, W.H.; Parker, D.B.; McRory, J.E.; Park, M.; Lance, V.; Swanso Regul. Pept. 33, 135-116, 1991
A;Title: Primary structure of two forms of gonadotropin-releasing hormone from brains o A;Reference number: A60266; MUID:91352338; PMID:1882082
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gonadoliberin II - spiny dogfish

N;Alternate names: gonadotropin-releasing hormone

N;Alternate names: gonadotropin-releasing hormone

S;Species: Squalus acanthias (spiny dogfish)

C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 20-Jan-2003

C;Accession: B46030

C;Accession: B46030

R;Lovejoy, D.A.; Pischer, W.H.; Ngamvongchon, S.; Craig, A.G.; Nahorniak, C.S.; Peter,

Proc. Natl. Acad Sci. U.S.A. 98

A;Title: Distinct sequence of gonadotropin-releasing hormone (GnRH) in dogfish brain pr

A;Reference murber: A46030; MUID:92355300; PMID:1631133

A;Accession: B46030

A;Accession: B46030

A;Accession: B46030

A;Residuas: protein

C;Superfamily: gonadoliberin

C;Superfamily: gonadoliberin

C;Superfamily: gonadoliberin

C;Keywords: hormone; pyroglutamic acid

F;1/Modified site: pyrrolidone carboxylic acid (Gln) #status experimental
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                                                                                                                                                                                                                                                                                                                                                   C.Superfamily: gonadoliberin
C.Keywords: amidated carboxyl end; hormone; hypothalamus; pyroglutamic aci
F;1/Modified site: pyrrolidone carboxylic acid (Gln) #status experimental
F;10/Modified site: amidated carboxyl end (Gly) #status experimental
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          35.1%; Score 20; DB 1; Length 10;
66.7%; Pred. No. 1.1e+03;
1.ve 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gonadoliberin - spotted ratfish
N;Alternate names: gonadotropin-releasing hormone
C;Species: Hydrolagus colliei (spotted ratfish)
gonadoliberin II - American alligator
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ouery Match
Best Local Similarity 60...
2; Conservative
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Best Local Similarity
2, Conserva
                                                                                                                                                                                                                                                                                                 A;Molecule type: protein
A;Residues: 1-10 <LOV>
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Richordoy, D.A.; Fischer, W.H.; Parker, D.B.; McRory, J.E.; Park, M.; Lance, V.; Swanson Regul, Pept. 33, 165-116, 1991
Regul, Pept. 31, 165-116, 1991
A;Title: Primary structure of two forms of gonadotropin releasing hormone from brains of A;Reference number: A60066; MUID:91352338; PMID:1892062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Riburgus, R.; Butcher, M.; Amoss, M.; Ling, N.; Monahan, M.; Rivier, J.; Fellows, R.; Bl
Proc. Natl. Acad. Sci. J.S.A. 69, 278-282, 1972
A;Tiller Primary structure of the ovine hypothalamic listernizing hormone-releasing facto
A;Reference number: A91786; MJID:72094114; PMID:4550569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A.Molecule type: protein
A.Kessidos: 1-16 SBUR.
A.Note: the natural and synthetic hormones have the same biological activity
C.Comment: This hypothalamic hormone stimulates the secretion of both luteinizing and fo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gonadoliberin - sheep
C.Species: Ovis orientalis aries, Ovis ammon aries (domestic sheep)
C.Date: 31.Dec-1991 #sequence_revision 31.Dsc-1991 #text_change 18.Mar-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C)Superfamily: goradoliberin
C)Keywords: amidated carboxyi end; hormone; hypothalarus; pyroglutamic acid
F):/Modified site: pyrrolidone carboxyiic acid (Glm) #status experimental
F):0/Modified site: amidated carboxyi end (Gly, #status experimental
                               hypothalamus, pyrogiutamic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Thurne 18-Mar-1997
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A.Residues: 1-10 <LCV>
C.Superfamily: gonadoliberin
C.Keywords: amidated carboxyl end; hormone; hypothalamus: pyroglutamic ac:
F):/Modified site: pyrrolidone carboxylic acid (Gln) #status experimental
F):0/Modified site: amidated carboxyl end (Gly) #status experimental
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C.Superfamily: gonadoliberin

Yetwywards: amidated carboxyl end; hormone; hypothalarus; pyrogiutamic ac

F.17/Modified site: pyrrolidone carboxy.ic acid (Gln) #status experimental

F.10/Modified site: amidated carboxy, end (Gly) #status experimental
                                                                                                                                                                                                               Gabs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              35.1%; Score 20; 08.1; Length 10; 66.7%; Pred. No. 1.1e+03; tive 1; Mismatches 0; Lidels
                                                                                                                                          Score 20, DB 1, Length 10, Pred, No. 1,16+03, 1, Mismatches 6, Indels
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OySpecies: Alligator mississippiensis (Amelicin illigator)
OyDate: 31 Mari1993 #sequence_revision 31 Mari1933 #1-x1 (3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gonadoliberin I - American alligator
                                                                                                                                                35.28;
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Best Local Similarity 66.74
Matches 2, Conservative
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Best Local Similarity 66.77
Matches 2, Conservative
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                                                                                                                                                                                                                                                                    3 XHW 5
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Query Match

Matches

RESULT RHAQ2

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Cispecies: Bos primigenius taurus (cattle)
Cipate: 14-May-1993 #sequence_revision 14-May-1993 #text_change 07-May-1999
Cipate: 14-May-1993 #sequence_revision 14-May-1999
Cipate: 14-May-1993 #sequence_revision 14-May-1999
Cipate: 14-May-1993 #sequence_revision 14-May-1999
Cipate: S. Trifaro, J.M.: Chouinard, L.; Cecyre, D.; Dessureault, J.; Mercier, P.;
Peptides 10, 355-360, 1989
Aithers 10, 355-360, 1989
Aithers 10, 355-360, 1989
Aithers 11-10 ALEMA
AIthers 11-1
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C,Species: Home sapiens (man)
C,Species: Home sapiens (man)
C,Species: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 16-Aug-1996
C,Accession: PT0289
R,Yamada, M.; Wasserman, R.; Reichard, B.A.; Shane, S.; Caton, A.J.; Rovera, G.
J, Exp. Med. 173, 395 407, 1991
A,Title: Preferential utilization of specific imminoglobulin heavy chain diversity and A,Reference number: PT0222, MJD:9110837; PMID:1899102
A,Accession: PT028
A,Accession: PT028
A,Residues: 1-10 < YAM>
A,Residues: 1-10 < YAM>
A,Residues: 1-10 < YAM>
A,Resperimental source: B lymphocyte
C,Keywords: heterotetramer; immunoglobulin
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Na-/K+-exchanging ATPase (EC 3.6.3.9) alpha chain - dog (fragment)
C.Species: Caris lupus familiaris (dog)
C.Spate: 19-Mar:1997 #sequence_revision 24-Jul-1998 #text_change 19-Apr-2002
C.Accession: $29881
R.Walderhaug, M.C.: Fuur, R.L.: Saccorani, G.; Leonard, R.T.; Briskin, D.P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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A;Residues: 1-10 cCON>
A;Experimental source: brain
C;Superfamily: gastrin-releasing peptide
C;Keywords: amidated carboxyl end
F;10/Modified site: amidated carboxyl end (Met) #status predicted
                                                                                                                                                                                                                                                            Query Match 33.3%; Score 19; DB 2; Length 10; Best Local Similarity 100.0%; Pred. No. 1.7e+03; Matches 2; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 19; DB 2; Length 10;
; Pred. No. 1.7e+03;
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50.0%; Pred. No. 2.6e+03
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Best Local Similarity 50.0
Matches 2; Conservative
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Best Local Similarity 100.
Matches 2: Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            N.Alternate names: gonadciropin.releasing hormone (Species: Squalus acanthias (spiny dogfish) (Species: Co.Jan.1975 #sequence_revision 06-Jan.1975 #text_charlers of 446030 (Sci. U.S.A. 1899 6373-6377, 1992 (Craig, A.G.; Nahorniak, C.S.; Peter, R. Ricovejoy, D. A.; Fischer, W.H.; Ngamvongchon, S.; Craig, A.G.; Nahorniak, C.S.; Peter, R. A.Reference number: A46030 (MID:92355300; PMID:1631133 A.Accession: A46030 (MID:92355300; PMID:1631133 A.Accession: A46030 (A.C.) A.Reference number: A46030 (A.C.) A.Reference number: A46030 (A.C.) A.Residues: preliminary A.Residues: L.10 (LOV) (C.C.) (
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neuromedin C - laughing frog (Species: Rana ridiblinda (laughing frog) C; Species 13. Nov. 1991 #sequence revision 23. Nov. 1991 #sequence revision 23. Nov. 1991 C; Accession: P00177 #sequence revision 23. Nov. 1991 Biochem. P00177 #sec. Commun. 178, 526-530, 1991 A;Title: Primary structures of the bombes:n-like neurope; Like number: P00177; MJD:91315477, PMID 1859415 A;Accession: P00177 MJD:91315477, PMID 1859415 A;Molecule type: protein
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Cispecies: Oncorhynchus keta (chum salmon)
Cispecies: 10-Aug-1990 #sequence_revision 10-Aug-1990 #rext_change :8 Jun 1993
CiAccession: A2114
CiAccession: A2114
Fisherwood, N.) Eiden, J.; Brownstein, M.; Spiess, J.; Riviet. J.; Vale, W.
Proc. Natl. Acad. Sci. U.S.A. 80, 2794-2798, 1983
Azitie: Characterization of a teleost gonadon; pin relevance homeone.
Azeterence number: A21114; MUD:83198146; PMID:8341396
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A,Status: preliminary
A,Molecule Lype: protein
A,Residues: 1-10 «SHE»
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J. Biol. Chem. 260, 3852-3859, 1985
A.Titie: Structural relatedness of three contransport adenosine triphosphatases around A.Areference number: S29881; MJD:85131201; PMID:3156136
A.Acecsion: S29881
A.Molecule type: protein
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Cispecies: Petroselinum crispum (parsluy)
Cispecies: Petroselinum crispum (parsluy)
Cispecies: O-Sep-1999 #sequence_revision 20 Sep 1993 #frax; charle of Sep-1999
Cispecies: Ti1906
Rifeldbrugge, M.; Sprenger, M.; Dinkelbach, M.; Yazaki, K.; Eurtrut, K.; Weisshaar, B.
Plant Cell 6, 1607-1611, 1994
Ajitle: Functional analysis of a light-responsive plant bziP transcriptional regulator.
A,Recension: Ti4906
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Affith: Junctional sequences of fetal T cell receptor Leta chains have few N regions.
A)Reference number: PT0509; MJID:91277601; PMID:1711556
A,Accession: PT0576
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C.Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_chamge 30 May-1997
C.Accession: PT6576
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A.Molecule type: mRNA
A.Residuces: 1-7 <FEEs
A.Experimental source: day 19 fetal thymus, strain SALE/>C.Keywords: T-cell receptor
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A)Status: preliminary; translated from GB/EMBL/DDBJ
A)Molecule type: DNA
A)Residues: 1-8 <FEL>
A)Cross-references: EMBL:S75395; NID:q913201; P1D:e194245
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(c) 1993 - 2003 Compugen Ltd.
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16-OCT-2001 (Rel. 40, Created)
L6-OCT-2001 (Rel. 40, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
Gonadoliberin I (Gonadotropin-releasing hormone I) (GRRH-I) (LH-RH)
                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Actinopterygii, Neopterygii, Teleostei, Clupeomorpha, Clupeidae,
                                                                                                                                                                                                                                                                                                                                                                          Clupea pallasii (Pacific herring)
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Best Local Similarity 66.7%;
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                                                                                                Love-199 D.A., Fischer W.B., Parker D.B., McRecky U.E., Park M., Lance V., Swanson P., Rivier J.E., Sherwood N.M., Lance V., Swanson P., Rivier J.E., Sherwood N.M., Parker D.B., Sturdure of two forms of gonadomophin-releasing hormone primary structure of the American alligator (Alligator Tississippiensis).", Regul. Pept. 33:105-116(1991).

1. FUNCTION: Stimulates the secretion of gonadomophis.

1. SUBCELLULAR LOCATION: Secreted.

1. SIMILARITY: Belongs to the GNRH family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -:- SUBCELLULAR LOCATION: Secreted.
-:- TISSUE SPECIFICITY: GNRH NEURCNS LIE WITHIN BLO-G SINUSES CLOSE
THE GONCOLOTS AND GONDAD IN BOTH JUVENILES AND ACULTS, IMPLYING
THAT THE NEUROPEPTIDE IS RELEASED INTO THE BLO-GISTREAM.
-:- MASS SPECITROMETRY: MM=1246.56; METHOD-MALDI.
--- SIMILARITY: Belongs to the GNRH family.
InterPro; IPR002012; GnRH.
--- PRO0446; GARH; 1.
--- PROSITE: PS00473; GNRH; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=96413669; PubMed-8816823; Powell O.F.F., Reska-Skinner S.M., Flakkan V.E., Fr. Mer W.B., Powell O.F.F., Reska-Skinner S.M., Flakkan V.E., Fr. Merker B. W. M. Rivler E. E. J. Chaig A.G., Marker B. M., Shrish at T. E. J. Chaig A.G., Marker B. M., Flakkan S. Of gonadotropin-releasing is from the procedurate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bukaryota, Metazoa, Chordata, Urochordata, Ascidiseva, Emt€rogona.
Phlebobranchia, Corellidae, Chelycsoma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ö
                                                                                                                                                                                                                                                                                                                                                                                                                                  Hormone; Amidation; Hypothalamus; Pyrrolidone carboxylic acid.
MOD RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
MOD RES 10 10 AMIDATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 20, DB 1; Length 10; Pred, No. 5e+02; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hormone, Amidation, Pyrrolidone carboxylic acid.
MOD RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
MOD RES 10 10 AMIDATION (BY SIMILARIY).
SEQUENCE 10 AA, 1264 MA, 28483639DS5ABSA3 CRO64;
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                                                                                    MEDLINE=91352338; PubMed=1882082;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Guery Match
Best Local Similarity 66.7%;
Matches 2; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10 AA; 1172 XW;
                                                                                                                                                                                                                                                                                                                                                      interPro, IPRCC2012; GNRH.
Pfam; PPC0446; GRRH; 1.
PRCSITE; PS00473; GNRH; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NCB: TaxID=71177;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 OHW 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 KHW S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (Luliberin I)
                                                     IISSUE-Brain
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ID GCNI_CHEPR
AC P80677;
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SEQUENCE
     (1)
SEQUENCE.
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Park M., Rivier J.E., Craig A.G., Mackie G.O., Sherwood N.M.;
"Two new forms of gonadocropir releasing hormone in a protochordate
and the evolutionary implications.";
Proc. Natl. Acad. Sci. J.S.A. 93:10461-10464 (1996).

-: FUNCTION: Stimulates the secretion of gonadotropine; it stimulates
the secretion of both juteinizing and follicle-stimulating
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Urochordata; Ascidiacea; Enterogona;
Phlebobranchia; Corellidae; Chelyosoma.
NCBI_TaxID=71177;
                                                                                                                                                                                                                                                                                                                                                                             ..
0
                                                                                                                                                                                                                                                Hormone, Amidation, Hypothalamus, Pyrrolidone carboxylic acid.
MOD RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
PYRROLIDONE CARBOXYLIC ACID.
10 1 AMIDATION.
SEQUENCE 10 AA, 1105 MW, 284820B72871F5A3 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gonadoliberin II (Gonadotropin-releasing hormone II) (GnRH-II)
                                                                                                                                                                                                                                                                                                                                          Score 20; DB 1; Length 10;
Pred. No. 5e+02;
                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-NOV-1997 (Rel. 35, Created)
01-NOV-1997 (Rel. 35, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10 AA
                                                                                                                                                                                                                                                                                                                                                                             1; Mismatches
                                                                                                                                                                            -:- SIMILARITY: Belongs to the GNRH family.
INLESTRO, 1PROC2012; GRRH.
PFDAM: PF00446; GNRH; 1.
PROSITE; PS00473; GNRH; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    hormcnes.
-!- SUBUNIT: Homodimer; disulfide-linked.
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Gaps

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Score 20, DB 1; Length 10; Pred. No. 5e+02; 1; Mismatches 6; Indels

Query Match
Best Local Similarity 66.7%; Pre

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us-09-914-088-3.closed.rsp

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35.1%;
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PIR, B46030; B46030.
PIR, B60366; RHAQ2.
InterPro; IPR022012; GRRH.
Pfam; PF00446; GRRH; I.
PROSITE; PS00473; GNRH; I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
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GNRH3.
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1 OHW 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Phastaninae;
                                                                                                                                                                                                                                                                                                     Saps
           "Identification of the second gonadorropin releasing banache in chicken hypothalamus: evidence that gonadorropin secretion is probably controlled by two distinct gonadorropin releasing hormones in avian species.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota, Metazoa, Chordata, Craniata, Veriebrata, Euleleostomi,
Archosauria, Aves, Neognathae, Galliformes, Phasianidae, Phasiani
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SPECTES=S.acanthias, TISSUE=Brain, MEDLINE=92335300, PubMed=1631133;
Lovejoy D.A., Fischer W.H., Ngamyongchon S., Craig A.G., Nahorinak C.S., Peter R.E., Rivier J.E., Sherwood N.M.; Nahorinct sequence of gonadotropin-releasing hormone (GnRH) in dogfish brain provides insight into GnRH evolution.", Proc. Natl. Acad. Sci. U.S.A. 89:6373-6377(1992).
                                                                                                                                                                                                                                                                                                       6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   93.7043; P20408; PR3.750; 01-FEB-1991 (Rel. 17, Created) 01-FEB-1992 (Rel. 17, Last sequence update: 28.FEB-2003 (Rel. 17, Last annotation update; Gonadoliberin II (Gonadotropin-releasing hormone II) (GnWH-II)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Miyamoto K., Hasegawa Y., Nomura M., Iqarashi M., Kanyawa K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Squalus acanthias (Spiny dogfish),
Hydrolagus colliei (Sported ratfish) (Pacific ratfish), and
Clupea pallasii (Pacific herring).
                                                                                                                                                                                                                                                                Score 20; 58 1; Length 10
Pred. No. 5e+02;
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                                                                                                                                                                                                         AMIDATION (BY SIMILARITY).
2848)801EEB735A3 (RC64,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SH.RH II) (Luliberin II).
Gallus gallus (Chicken),
Alligator mississippiensis (American alligator),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Proc. Natl. Acad. Sci. U.S.A. 81:3874-3878(1984)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10 M
                                                                                                                                                                                                                                                                                                       1; Kismatches
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MEDLINE=84222059; PubMed=6427779;
-!- SUBJELLULAR LOCATION: Secreted.
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                                                                                                                                                                                                                                                                35.1%;
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DISJUFID
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Matches
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01-FEB-1991 (Rel. 17, Created)
01-FEB-1991 (Rel. 17, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
Genadoliberin III (GnRH-III) (GnRH-III) (LH-
                                                                                                                                                                           Gaps
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MEDLINE=8195140; PubMed=6341999;
Sherwood N., Eiden L., Brownstein M., Spiess J., Rivier J., Vale W.;
"Characterization of a teleost gonadotropin-releasing hormone.";
Proc. Natl. Acad. Sci. U.S.A. 80:2794-2798(1983).
MEDLINE-91340067; PubMed-1678723;
Lovejoy D.A., Sherwood N.M., Fischer W.H., Jackson B.C., Rivier J.E.
Lee T.;
                                                                      "Primary structure of gonadctropin-releasing hormone from the brain of a holocephalan (ratfish: Hydrolagus colliei).";
Gen. Comp. Endocrinol, 82:152-16:(1991).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Clupea pallasii (Pacific herring).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Euteleostei;
Protacanthopterygii; Salmoniformes; Salmonidae; Oncorhynchus.
NCBI_TaxID=8018, 30724;
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C
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MOD_RES 1 1 PYRROLIDONE CARBOXYLIC ACID.

MOD_RES 10 10 AMIDATION.
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Pred. No. 5e+02;
                                                                                                                                                                                                                                                                                                                                                                                    - SIMILARITY: Belongs to the GNRH family.
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STEE BERES

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Gaps
                                                                                                                                                             Conion J.M., O'Harte F., Vaudry H.,
"Primary structures of the bombesin-like neuropeptides in frog brain show that bombesin is not the amphibian gastrin-releasing peptide.", Biochem. Biophys. Res. Commun. 19526-530(1991).
--- SUBCELUJLAR LOCATION: Secreted.
--- SIMILARITY: BELONGS TO THE BOMBESIN/NEUROMEDIN B/RANATENSIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
Amphibia; Batrachia; Anura; Neobatrachia; Ranoidea; Ranidae; Rana.
NCBI_TaxID=8406;
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01-MAR-1992 (Rel. 21, Last sequence update)
01-MAR-1992 (Rel. 21, Last sequence update)
01-MAR-1992 (Rel. 21, Last annotation update)
03-strin/cholecystokinin-like peptide D1.
Nephrops norvegicus (Norway lobster).
Eukaryota; Metazoa; Artitopoda; Crustacea; Malacostraca;
Eukaryota; Metazoa; Artitopoda; Crustacea; Malacostraca;
Nephropolodas; Nephropidae; Nephropi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  h 33.3%; Score 19; DB 1; Length 10; Similarity 100.0%; Pred. No. 7.6e+02; 2; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31.6%; Score 18; DB 1; Length 9; 60.0%; Pred. No. 1.3e+05; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOD RES 10 10 AMIDATION.
SEQUENCE 10 AA; 1094 MM; FRIFBAE862CDC371 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9 AA; 1038 MW; 60EC79CAB6D8787B CRC64;
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15-JUL-1999 (Rel. 38, Last sequence update)
15-JUL-1999 (Pel. 38, Last annotation update)
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                                                                                                                                               MEDLINE=91315477; PubMed=1859413;
                                                                                                                                                                                                                                                                                                                                                                     PIR, PQC177; PQO177.
InterPro; IPR300674; Bombesin.
Pfam; PF32044; Bombesin; 1.
PROSITE; PS00257; BOMBESIN; 1.
Bombesin family; Amidation.
MOD_RES 10 AMI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 60.0
Matches 3, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4 T.W. 5
                                                                                                                    TISSUE=Brain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MP2 MICOC
P81533;
                                                                                                                                                                                                                                                                                                                                                FAMILY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        D1_NEPNO
P24816;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE
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                                                                                      SEQUENCE
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MP2_MICOC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ें
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                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sukaryota; Metazoa; Chordata; Cramiata; Vertebrata; Chordrichthyes;
Elasmobranchi; Squalea; Squalcidet; Squalidae; Squalus;
NCBL_TaxID=7737;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 9

GRP RANK STANDARD; PRT, 1: AA.

AC P23260;
DT 01-NOV-1991 (Rel. 20, Created)
DT 01-NOV-1991 (Rel. 41, Last sequence update)
DT 29-FEB-2003 (Rel. 41, Last annotation update)
DF 29-FEB-2003 (Rel. 41, Last fannotation update)
DF Neuromedian C.
OS Rana ridibinda (Laughing frog) (Marsh frog):
OC Enkaryota, Metazoa, Chordata, Cramiata, Vertebrara, Entileventomia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              dogitish brain provides insight into GRRH evolution.

Proc. Natl. Acad. Sci. U.S.A. 99:6173 6177:1992.

1. FUNCTION: STINUIATES THE SECRETION of ADMANDER PINS

1. SUBCELLICIAR LOCATION. Secreted.

1. SIMILARITY Belongs to the GNPH lam.ly

R PIR, A46030; A46030.

R PERS, IPRO300212 GNRH.

R PERS, IPRO300463 GNRH.

R PROSITE; PSC0473; GNRH; 1.

W Hormone, Amidation; Hypothalamus; Pyrrolidene math.xylic acid.

MOD_RES.

1. AMIDATION.

C SEQUENCE 10 AA; 1204 MW, 2843333787158A3 (RCG4).
                                                                                                                                                                                                                                                                                                                                                                           ς,
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MEDLINB=92333300; PubMed=1631133,
MeDLINB=9233300; PubMed=1631133,
MeDLINB=9233300; Pischer W.H., Ngamvengchon S., Craig A.G.,
Nahorniak C.S., Peter R.E., Rivier J.E., Sherwood N.M.,
"Distinct sequence of gonadotropin-releasing hormony (313H) in
                                                                                                                                                                            Hormone, Amidation, Hypothalamus, Pyrrolidone carboxylic sold.
MOD_RES 1 1 1 PYRROLIDONE CARBOXYLIC ACID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-AUG-1992 (Rel. 23, Created)
01-AUG-1992 (Rel. 23, Last sequence update)
8-FEB-2003 (Rel. 41, Last annotation update)
Gonadoliberin (Gonadotropin-releasing hornone) (GERH) (LH-NE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 20; DB 1; Length 10;
Pred. No. Se+02;
                                                                                                                                                                                                                                                                                                                35.1%; Score 20; 08.1; tength 10; 66.7%; Pred. No. 5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sp. Indels
                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                               AMIDATION,
28483233786845A3 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10 AS.
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                                                                                                                                                                                                                                                                                                                                                                           1; Mismatches
     !- SUBCELLULAR LOCATION: Secreted.
!- SIMILARITY: Belongs to the GNRH family
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Squalus acanthias (Spiny dogfish)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        35.18;
                                                                                                                                                                                                    MOD_RES 1 1 1
MOD_RES 10 10
SEQUENCE 10 AA; 1236 MW;
                                                                                                                    Pfam; PF00446; GnRH; 1.
PRCSITE; PS00473; GNRH; 1.
                                                        PIR, A21114, A21114.
InterPro, IPR002012, GaRH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 66.77
                                                                                                                                                                                                                                                                                     Guery Match
Best Local Similarity 66.1.
2, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 KH¥ 5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GCNE_SQUAC
P27429;
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MEDLINE-88116164; PUBMED-3429714;

Trimmer B.A., Kobierski L.A., Kravitz E.A.;

Tomorand and characterization of FMRFamidelike immunoreactive substances from the lobster nervous system: isolation and sequence analysis of two closely related peptides.";

J. Comp. Neurol. 266:16-26:1987).

HISCELLANFOUS: PERICARDIAL, ORGANS RELASE THIS PEPTIDE WITH 100 POTASSILX IN THE PRESENCE OF CALCIUM.

POTASSILX IN THE PRESENCE OF CALCIUM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Massilla G.R., Schinina M.E., Ascenzi P., Polticelli F.; "Contryphan-Vn: a novel peptide from the venom of the Mediterranean snail Conus ventricosus.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Mollusca; Gastropoda; Orthogastropoda;
Apogastropoda; Caenogastropoda; Sorbeoconcha; Hypsogastropoda;
Neogastropoda; Conoidea; Conidae; Conus.
NCBI_TaxID=117992;
Eumalacostraca, Eucarida, Decapoda, Pleocyemata, Astacidea, Nephropoidea, Nephropoidea, Homarus, NCBI_TaxID=6706;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24.6%; Score 14; DB 1; Length 9; 66.7%; Pred. No. 1.3e+05; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26.3%; Score 15; DB 1; Length 8; 100.0%; Pred. No. 1.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Blochem. Blophys. Res. Commun. 285:908-913(2001).
-: SUBCELLULAR LOCATION: Secreted.
-: TISSUE SPECIFICITY: Expressed by the venom duct.
-: MASS SPECIFORETRY: NW#1088.6; METHOD=MALDI.
-: SIMILARITY: BELONGS TO THE CCNTRYPHAN FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              D-TRYPTOPHAN.
AMIDATION.
8D38676323676EBA CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE 8 AA; 1054 MW; C6D40729C4540AB5 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16-OCT-200: (Rel. 40, Created)
16-OCT-2001 (Rel. 40, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
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8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AMIDATION
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                                                                                                                                                  TISSUE=Pericardial organs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity 100.
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Best Local Similarity 66.7
Matches 2, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Neuropeptide; Amidation.
MOD_RES 8 A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STANDARD;
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ID _UF01_MOUSE
AC P38639;
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MCD_RES
SEQUENCE
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COM CONVE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TISSUE=Eyestalk;
Sthigorngul P., Saraithongkum W., Jaideechoey S., Longyant S.,
Sithigorngul W.,
Novel EMRRamide-like neuropeptides from the eyestalk of the grant
freshwater prawn Macrobrachium rosenbergii.";
Comp. Blochem. Physiol. 1208:587-5951(998)
--- MASS SPECTROMETRY: NW=1243.4; METHOD-MALDI.
--- SIMILARITY: BELONGS TO THE FAMP (EMREAMIDE
                            Micropifts ocellatae (Braconid wasp).
Eukaryota: Metazoa; Arthropoda; Hexapoda; Insecta; Pteryota;
Meoptera; Endopterygota; Hymenoptera; Apocrita; Ichneumonoidea;
Bracomidae; Microgastrinae; Micropiitis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    . 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28-FEB 2003 (Rel. 41, Created)
28-FEB-2003 (Rel. 41, Last sequence update)
28-FEB-2003 (Rel. 41, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
28-FEB-2003 (Rel. 41, Last annotation update)
28-FEB-2004 (Rel. 41, Last annotation update)
28-FEB-2003 (Rel. 41, Last annotation upd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 10:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29.8%; Score 17; DB 1; Length 10; 50.0%; Pred, No. 1.7e+03; ative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota, Metazoa, Arthropoda, Crustacea, Maladostiada,
                                                                                                                                                                                                                                                                                                                                                                                           NON TER 10 10 SEQUENCE 10 AA: 1255 MW; FE4FD93366C41AFA CRC64:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10 10 AMIDATION.
10 AA; 1244 MW; 9A1A5334072DC771 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GO, GO:0007218; Pineuropeptide signaling puthway;
                                                                                                                                                                                                                                      TISSUE=Larva;
Takahashi M., Quicke D.L.J.;
Submitted (CCT-1998) to the SWISS-PROT data bank.
Submitted (CCT-1998) to the SWISS-PROT data bank.
I. SISSUE SPECTFICTTY: SALIVARY GLANDS.
I. DEVELOPMENTAL STAGE: LARVAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-NOV-1995 (Rel. 32, Created)
01-NOV-1995 (Rel. 32, Last sequence update)
01-NOV-1995 (Rel. 32, Last annotation update)
HOMSPELIDE Like neuropeptide 3 [Fil 3] (F2)
HOMATUS americanus (American lobster).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8 A.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity luv.v.
Best Local 3; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity Sulvey
Best Local Similarity
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Neuropeptide, Amidation.
MOD RES 10 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STANDARD;
         MP2 protein (Fragment).
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P83278;
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P41486;
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MEDCINE and sequencial templiar and novel mutice proteins using preparation and sequencial templiar and novel mutice proteins testing preparative two-dimensional get electrophoresis:

"Separation and sequencial templiar and novel mutice proteins testing preparative two-dimensional get electrophoresis:",
Flectrophoresis:15/35-745(1994).

"MISCELLANEOUS: ON THE 2D-GEL THE DETERMINED FLOF THIS UNKNOWN PROTEIN IS: 6.6, ITS MW IS: 19 KDa.

NON TER 5.5
SEQUENCE 5 AA, 717 WW, 736408704)100000 GRO64;
01-0CT-1994 (Rel. 30, Created)
C1-0CT-1994 (Rel. 30, Last sequence update)
C1-0CT-1994 (Rel. 31, Last sequence update)
O1-FEE-1995 (Rel. 31, Last annotation update)
Unknown procein from 20-page of fibroblasts [P.9) (Fragment].
Was musculus (Mouse).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleoshomi, Mammalla, Eutenea, Rodenta, Schurognathi, Maindan, Muschell TaxID=10090;
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C9f0h5 helicobacte
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C9549 rama muscos
C7580 mus musculu
Q93778 escherichia
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O79915 leiolepis b
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Q96694 leiolepis g
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                                       2003, 17:29:05 ; Search time 26 Seconds (without alignments) 99:25: Million cell updates/sec
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- 2003 Compagen Ltd.
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DT 01-MAR-2002 (TEEMBLrel. 20, Last sequence update)

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ENDING-2103367; PubMed=11430666;

RA 13 POPULATION STRUCTURE and speciation in tropical seas: global

RE SEQUENCE FROM N.A.

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RE EMBL, AV012921; AAJ3844.1; ---

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STRAIN=India75A; MEDINEG=10809702; MEDINE=20270152; PubMed=10809702; MEDINE=20270152; PubMed=10809702; MEDINE=20270152; Missiyte D., Mishopadhyay A.K., Velapatino B., Su W.W., Pan Z.J., Garcia C., Hernandez V., Valdez Y., Mistry R.S., Gilman R.H., Yuan Y., Gao H., Alarcon T., Lopez-Brea M., Balakrish Nair G., Chowdhury A., Datta S., Shirai M., Nakazawa T., Ally R., Segal I., Wong B.C., Lam S.K., Olfat F.O., Boren T., Engstrand L., Torres O., Schneider R., Thomas J.E., Czinn S., Berg D.E.; "Differences in genotypes of Helicobacter pylor: from different human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Evidence for insufficient chondrocytic differentiation during repair of full-thickness defects of articular cartilage.";
Matrix Biol. 15:39-47(1996).
EMBL; S83371; AAD14433.1; ...
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Helicobacter pyloti (Campylobacter pyloti).
Helicobacteraceae; He
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi;
Mammalia, Eutheria, Lagomorpha, Leporidae, Oryctolagus.
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MEDLINE=96377339; PubMed=8783186;
Metsaranta M., Kujala U.M., Pelliniemi L., Osterman H., Aho H.,
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Pred. No. 3.4e+03;
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EMBL; AF190663; AAG18486.1; -.
NON TER
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75.0%;
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Best Local Similarity
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Submitted (CCT-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AP436035; AAL31611.1;
Mitochondrion.
NON TER
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Submitted (OCT-2001) to the EMBL/Genhank/DEBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mitochondrion.
Eukaryota; Metazoa; Arthropoda, Ciustacea; Malacostiaca;
Eumalacostraca; Eucarida; Decapoda; Pleocyemata; Anomura; Lomoidea;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ÷
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Eumalacostraca, Eucarida, Decapoda, Pleccyemuta, Astacidea,
Astacoidea, Cambaridae, Procambarus,
NOBI_TaxID=6728,
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Pred. No. 8.3e+05;
0; Mismatches 1; indels
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Cunningham C.M.;
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                                                                                                                                                                                                                                                                                                            01-MAR 2002 (TiEMBirel, 20, Created)
01-MAR-2002 (TrEMBLrel, 20, Last sequence update)
10-MAR 2002 (TrEMBLrel, 20, Last annotation update)
Cytochrome oxidase subunit 1 (Fragment).
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Similarity 75.0%;
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NCBI_TaxID=177234;
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MEDLINE=21184280; PubMed=11286498; MEDLINE=21184280; PubMed=11286498; Macey J.R., Strasburg J.L., Brisson J.A., Vredenburg V.T., Jennings M., Jarson A.; Publecular Phylogenetics of Western North American Frogs of the Rana boylii Species Group.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Townsend T.M., Larson A.L.;
"Molecular Phylogenetics and Mitochondrial Genomic Evolution in the Chammaleonidae (Reptilia, Squamata).";
Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AF448730; AAL90472.1; -...
Mitochondrion.
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Amphibia, Batrachia, Anura, Neobatrachia, Ranoidea, Ranidae, Rana.
Nobi_TaxiD-166500;
                                                                                                                                                                                                                                                                                              Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi, Lepidosauria, Squamata, Iguania, Acrodonta, Chamaeleonidae,
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SEÇÜENCE 10 AA; 1335 MW; C0D380C9D371F1A9 CRC64;
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                 01-JUN-2002 (TrEMBLrel. 21, Created)
01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
Cytochrome c oxidase subunit I (Fragment).
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01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
Cytochrome c oxidase subunit I (Fragment).
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EMBL, AR314026; AAK56898.1; ...
Mitochondrion.
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Matches 3; Conservative
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PRELIMINARY;
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Varanus griseus griseus,
Mitochondrion.
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Enteleosioni,
Lepidosauria, Squamata, Scleroglossa, Anquimorpha, Varanidae, Varanus.
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Eukaryota, Metazoa, Chordata, Cramiata, Verrebrata, Euteleosfomi,
Lepidosauria, Squamata, Sclerogiossa, Anguimorpha, Varanidae, Varanus.
NCBL_TaxID=62041;
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"Micochorial DNA evidence and evolution in Varanoidea (Squamata).";
Cladistics 17:0-072001;
EMBL; AF407499; AAL1048.1; -.
Mitochondrion.

NON_TER 9 9
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Cladistics 17:0-0(2001).
Mitochondrion.
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01-DEC-2001 (TrEMBLrel. 19, Last sequence update:
01-DEC-2001 (TrEMBLrel. 19, Last annotation update:
03tochrome c oxidase subunit I (Fragment).
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Enterobacteriaceae; Enterobacter
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MEDLINE=21604134; PubMed+11763242;
Mindlin S.Z., Kholodii G.Y., Gorlenko Z.M., Minakhina S.V.,
Mindhin L.S., Kalyaeva E.S., Kopteva A.V., Petrova M.A.,
Yurleva O.V., Nikilorov V.S.;
"Mercury resistance transposons of Gram-negative environmental
bacteria and their classification.";
PRES. Microbiol. 152:811-822(2001).
BMBL; AJ291727; CAC83017.1; ---
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Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales, Moraxellaceae, Acinetobacter.
NOCBL_TaxID=48296;
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Yun J. H., YONG D., Lee K., Chong Y., Livernor D.M.;
Yun J. H., YONG D., Lee K., Chong Y., Livernor D.M.;
YONG T. Actarase gene containing integron in an Acincipacter (possible genomospecies 3) clinical isolate.";
Submitted (AFR-2001; to the EMBL/GenBank/DDBJ databases.
EMBL; AF969871; AAK54205.1; -...
NON TER 10
SEQÜENCE 10 AA; 1178 MM; ZE287BC729C73378 CRC64;
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1-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01.DEC-2001 (TrEMBLrel. 29, Last annotation update)
Quaternary ammonium compound-resistance protein (Fragment).
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01 WAR-2002 (TYEMSLYEL, 20, Last annotation update)
Putative ThiQ protein (Fragment).
TNIQ.
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01:NOV-1999 (TremBirel. 08, Last sequence update)
01:NOV-1999 (TremBirel. 08, Last annotation update)
Cytochrome 0 oxidase subunit I (Fragment)
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Leiolepis belliana
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                                                                                                                                  Enterobacter sp.
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Secuence FROM N.A.
Sequence comparisons and functional studies of the proximal promoter of the carbonic anhydrase 3 (CA3) gene.";
Ce the carbonic anhydrase 3 (CA3) gene.";
Cene 214:157-165(1999).
EMBL: Abo06474; CA470557.1; -..
MGD; MGI:88270; Car3.
MGD; MGI:355:477; Cars.
MGD; MGI:355:477; Cars.
MGM: TER
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sururognathi, Muridae, Muridae, Musikae, Mus
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Enterchacteriaceae, Escherichia,
NCBI_TaxID+562;
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MEDGING=21664134, PubMed=1176374.

Mindins S.2., Kholodin G.Y., Gottork J.Y., Nicotions J.Y.,

Mindins S.2., Kalyaeva E.S., Koptory A.Y., Portion M.A.,

Mindins J.S., Kalyaeva E.S., Koptory A.Y., Portion M.A.,

Varieva O.V., Nikiforov V.G.,

"Mercury resistance transposons of order modal two nevilsomental

Bacteria and their classification.",

EMBL, AJ302765, CAC82977.1;
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Q93709.
CD3709.
CD DEC-2001 (TrEMBLrel. 19, Created)
CD DEC-2001 (TrEMBLrel. 19, Last sequence update)
O1-MAR-2002 (TrEMBLrel. 20, Last annocation update)
Putative transposition protein [niQ (Fragment)]
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                                                                 01-AUG-1998 (TrEMBLrel. 07, Created)
(1-AUG-1998 TIEMBLrel. 07, Last sequence update)
01 XAX-2033 (TEMBLrel. 23, Last annotation update)
Carbonic anhydrase III (Fragment)
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0937H9;
01.0EC-2001 (TIEMBLEEL 19, Created)
01.0EC-2001 (TIEMBLEEL 19, Last Sequence update)
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Matches 3, Conservative
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Lepidosauria: Squamata, Iguania, Acrodenta, Chamaeleonidae, Chamaeleo.
NCBI_TaxID=116114;
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Mitochondrion.
Eukafyota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Lepidosauria, Squamata, Iguania, Acrodonta, Agamidae, Leiolepinae,
                                                                                                                                                                                                         SEQUENCE FROM N.A.
MEDLINE=97315309; PubMed=9169559;
Macey J.R., Larson A., Ananjeva N.B., Papentuss T.J.;
Macey J.R., Larson A., Ananjeva N.B., Papentuss T.J.;
"Foolutionary shifts in three major structural features of the mitochondrial genome among ignamian izzards.";
J. MOI. Evol. 44:660-674(1997;
EMBL, U82689; AAC62287.1;
MITOCHONDRIDE

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10 10 20
SEQUENCE 10 AA: 1297 MW; 1A3583C733641400 CRC64;
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Best Local Similarity 50.0%; Pred. No. 7.6e+03;
Matches 3; Conservative 1; Mismatches 2; Indols
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SEQUENCE 10 AA; 1368 MW; C72180CT15645 36 8 54.
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Job time : 28 secs
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                                                                                                                 Leiolepis.
NCBI_TaxID=52196;
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAU16634
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ઠે
                                                                                                                                                             The present invention describes an immunogen (1) comprising a peptide (1a) and a carrier (1b) derived from protein D of idecognius influenzae or its fragment. Also described are: (1) a vaccine comprising (1) and an excipient, (2) preparation of (1), comprising conjugating a peptide comprising formulating (1) with an excipient, (1) has optostatio, comprising formulating (1) with an excipient, (1) has optostatio, annulating (1) with an excipient, (1) has optostatio, annulating (1) metopoxective and protostactive of a nedicament for preventing and treating infectious disease such as malaria or chronic disease such as cancer, Alzheimer's disease or alleigy in a patient. Onlike prior art immunogens, (1) induces high levels of antipeptide immunogens while inducing a moderate momeral response against the carrier. The present sequence represents a specifically claimed immunoglobulin E (1gE) epitope immunogenic peptide sequence, which can immunoglobulin E (1gE) epitope immunogenic peptide sequence, which can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           igE C-epsilon-2 domain surface exposed epitope pepilde P3 SEO ID NO:3.
                                       Immunogens and vaccine comprising the immunogen useful for preventing and treating infectious diseases e.g. malaria and chronic disease e.g. cancer, comprises peptide and carrier from protein D of influenzae ^{\circ}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Epitope, mimotope, human, immunoglobulin E. IgE, C epsilon 2 domain, allergic disease, immunoprophylaxis, immunotherapy, antiallergic, immunosuppressive, vaccine, histamine release other tot, immunogen,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mason S;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 57, DB 21; Length 10;
100.0%; Pred, No. 0.6025;
tive 0; Mismatches 0; Indols
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Lamont A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                               be used in an immunogen of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hewitt E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SMIK ) SMITHKLINE BEECHAM BIOLOGICALS (PEPT.) PEPTIDE THERAPEUTICS LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Greenwood J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB25909 standard; Peptide; 10 AA.
                                                                                                                            Claim 9; Page 37; 53pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99GB-00044C5.
99GB-0007151.
99GB-0010537.
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99GB-0018594
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Best Local Similarity
Local 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 SCKHWISERT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 SOKHWISDRT
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  WPI; 2000 572040/53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  allergy; atopy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Home sapiens
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29-MAR-1999;
07-MAY 1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-MAY-1999;
07-AUG-1999;
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29-OCT-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Seguence
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The present invention describes a peptide (I) comprising an isolated surface exposed group/epitope (E.) of C-epsilon-2 domain (2) of immunoglobulin E (19E), or its mimotope. Also described are: (1) an immunoglobulin E (19E), or its mimotope. Also described are: (1) an immunoglobulin E (19E), or its mimotope. Also described are: (1) an immunoglobulin E (19E) a pharmaceurical composition (PC) comprising (IV); (2) a peptide (IA) capable of being recognised by (IV); (6) an immunogen (IS) a peptide (IA) capable of being recognised by (IV); (6) an immunogen (IS) comprising (IA) and (7) producing (III) by producing (IV); (1) can have antialized; and (7) producing (III) by producing (IV); (1) and can be used as a vaccine and histaminosuppressive activities, and can be used as a vaccine and in the manufacture of medicaments for treating as a vaccine and also in menufacturing medicaments for treating and siso in menufacturing medicaments for treating allergies. (I) is useful in diagnostice and in the affinity purification of circulating anti-19E antibodies from blood. (I), (III) and PC are useful for treating apatient susceptible to or suffering from allergies. (IV) is also useful in diagnosing atopy. AAB25907 to AAB2609 repersent peptide sequences which are used in the exemplification of the present
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                                                                                                                                                                                                  Peptides useful for treating, preventing and ameliorating allergic diseases, comprising an isolated surface exposed group of a specific domain from immunoglobulin \Xi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; linkage technology; conjugated compound; carrier vehicle; epitope; Cepsilon3; Cepsilon3; Cepsilon4; immunoglobulin E; IgE mediated disease; antibody response.
Vinals De Bassols YC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ..
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100.0%; Pred. No. 0.0025;
ive 0; Mismatches 0; Indels
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     Van Mechelen MP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SMIK ) SMITHKLINE BEECHAM BIOLOGICALS
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: SCHWLSDRT 10
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                                                                                                                            1 SQKHWLSDRT 10
                                                                                                                                                   1 SQKHWLSDRT 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SQKHWLSDRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2002-489648/52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 10 AA;
                                                                                                                                                                                                                                                                                                                                                                                    WO200216409-A2
                                                                                                                                                                                                                                                                                                                                                            Homo sapiens.
                                                                                                                                                                                                                                                                    02-SEP-2002
                                                                                                                                                                                                                                                                                                                                                                                                              28-FEB-2002.
                                                                                                                                                                                                                                            ABJ30219;
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                                                  Sequence
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AAY42638
                                                                                                                                                                                         RESULT 5
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                                                                                 The present invention relates to linkage methodology for use in the conjugation of compounds (e.g. peptides) to carrier vehicles

(e.g. macrocalecules, polymers, proteins) to produce biological and immunological constructs. Preteins) to produce cological and immunological constructs. The invention provides a protein for use in a pharmaceutical composition or a vacatime. The protein for use in a pharmaceutical composition or a vacatime. The city invention describes peptides derived from or minotopes of the city invention describes peptides derived from or minotopes of the city which are used to produce conjugate of compositions of the invention are useful in the manufacture of a medicament for the treatment of IgE mediated diseases. The invention allows for controlled conjugation of a peptide epitope (antigen) to a protective antibody response in an animal or human pallect cases a protective antibody response in an animal or minotopes of AAU16632-AAU16913 represent peptides derived from or minotopes of
                                                                                                                                                                                                                                                                                                                                                            ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to a cogrestion computating allergy peptides linked by an inert carrier. The allergy peptides are derived from Immisoglobulin E (1gE) or 19E receptor. The present peptide is one such peptide from 19E. The composition is useful as a valuable for
                         an immunogenic conjugate useful treatment of IgE
                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             useful for boosting an anti-allergy immine response in an individual susceptible to an allergic response
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New vaccine comprising allergy peptides linked by an ineit carrier,
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                                                                                                                                                                                                                                                                                                                                   Length 10;
                                                                                                                                                                                                                                                                                                                                  100.0%; Score 57; DR 22; Length 1
100.0%; Pred. No. 0.0025;
sive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                  the Cepsilon2/Cepsilon3/Cepsilon4 region of human 1qE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Vaccine, immunoglobulin E, 19E; anti-alleryy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SMIK ) SMITHKLINE BEECHAM BIOLOGICALS
                                                              Example 4; Page 21; 48pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB51025 standard; Peptide; 10 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 5; Page 20; 26pp; English.
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Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                       1 SOKHWISDRT 10
                                                                                                                                                                                                                                                                                                                                                                                                               1 SOKHWISERT 10
                         A linkage comprising
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-091150/10.
  WPI; 2001-521967/57
                                      mediated diseases
                                                                                                                                                                                                                                                                                                            10 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Prieels J;
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                                                                                                                                                                                                                                                                                                              Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Immunogen; human; 1gE; immunoglobuiin E; allergy; thio-ether linkage; vaccine; antiallergic.
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                                                                                                                                                                                                                                                          Gaps
manufacturing a medicament for the prophylaxis or treatment of all In particular, for boosting an anti-allergy immune response in an individual susceptible to an allergic response.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               comprises
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                                                                                                                                                                                            100.0%; Score 57; DB 22; Length 10; 100.0%; Pred. No. 0.0025;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conjugate for use in vaccine for treatment of allergy, condisulfide bridge cyclized peptide and immunogenic carrier
                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Turnell WG, Vinals Bassols YC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human IgE immunogenic peptide SEQ ID NO: 3.
                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SMIK ) SMITHKLINE BEECHAM BIOLOGICALS (PEPT-) PEPTIDE THERAPEUTICS LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABJ00219 standard; Peptide; 10 AA
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Best Local Similarity 100.
Marches 10. Conservative
                                                                                                                                                                                         Query Match 100.
Best Local Similarity 100.
Matches 10, Conservative
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The invention provides immunoglobulin E (19E) antiquoists comprising one or role of the fregislonal receptor-binding determinant sites of buran lgE. The antiquographists include 19E Variants comprishing an immunoglobulin template and binding determinant sequences (bds) [Obds, EFRds and the sequence shown in AAV42581. The Obds (C) loop binding determinant sequences shown in AAV42581. The sequences shown in AAV42581 and the EFBds (EF loop binding determinant sequence) are solected from the sequences shown in AAV42578 and sequences shown in AAV42578 472579. The variants are useful in relising and screening anti-19E antibodies, in the isolation and purification of Ecepalional receptor and in the treatment and prophylaxis of allergic
                                                                                                                                                                                                                                                                                                                                                                                      Immunoglobulin B variants as peptide antagonists useful for raising and screening anti-immunoglobulin E (19E) antibodies, in the isolation and purification of PoepsilonRI receptor and in the treatment of allergic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Zemunoglobulin E; IgE; anti-human IgE; bispecifir antibody; FCEL; FCEH;
low affinity binding receptor; high affinity binding receptor; allergy;
diagnosis; treatment; histamine release; heavy chain; prevent.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Saps
                                                          immunoglobulin E, 19E, antagonist, FoepsilonR1 receptor, human, bds;
receptor-binding, binding determinant sequence, anti-19E antibody;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Prod. No. 3.49*7%; 100.00 %; 100.0%; Prod. No. 3.49*7%; 104.00%; 104.00%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human IgE mutant #15 fragment amino acid sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 1: Column 37-38; 37pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       84.44.
100.0%; Pr.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY85217 standard; protein; 8 AA
                                                                                                                                                                                                                  94US 0232539
                                                                                                                                                                                                                                               91US-0744768
94US-0178583
                              Human IgE peptide fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
10-JAN 2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity Tour-
                                                                                                                                                                                                                                                                                                                            Presta 16;
                                                                                                                                                                                                                                                                                              GETH ! GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-579941/49.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 OKHWLSDR 9
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                                                                                         allergic disease
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                                                                                                                        Home sapiens
                                                                                                                                                                                                                   21.AFR 1994;
                                                                                                                                                                                                                                               14-AUG-1991;
C7-JAN-1994;
                                                                                                                                                                                                                                                                                                                          Cardieu PM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-JUN-2000
                                                                                                                                                     US5965709 A.
                                                                                                                                                                                    .2-CCT-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY85217;
                                                                                                                                                                                                                                                                                                                                                                                                                                      d:seases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
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This sequence represents a fragment of an amino acid sequence encoding a mutant human immunoglobulin E (1gE). The mutant IgE is used to test the binding of IgE to its receptors. The invention relates to a bispecific antibody that binds specifically to IgE when IgE is bound to its low affinity receptor (FCEL), but does not bind to IgE, when IgE is bound to its high affinity receptor (FCEH). The bispecific antibody comprises an IgE-binding arm with human framework residues of a recipient human antibody and donor mutine CDR (complementarity determining region) arithody and donor mutine CDR (complementarity determining region) arithody and donor mutine competition of a recipient human arithody and donor mutine residue. The antibody also comprises an FV that is specific for a predetermined antigen other than IgE. The antibodies work by displacing bonding. The bispecific antibodies are used for diagnosis, treatment and prevention of allergy and other IgE. The antibodies is also, when imminishing for research or therapy). The bispecific antibodies of the invention do not cause therapy. The bispecific antibodies of the invention do not cause
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                              New bispecific antibodies, useful for treating immunoglobulin E-mediated disease, binds to {\rm IgE}, but only when on the low affinity receptor, and to an antigen other than {\rm IgE}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .
0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human IgE mutant #31 fragment amino acid sequence.
                                                                                                                                                                                                                                                                                                                   Example 2; Column 33; 48pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY85250 standard; peptide; 8 AA
                                                                   95US-0405617.
92WO-US06860.
94US-0185899.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             95US-0405617.
92WO-US06860.
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                                 9535-0466151
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Best Local Similarity 105.
                                                                                                                                                                           Presta LG, Jardieu PM;
                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                              WPI; 2000-269913/23.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 QKHWLSDR 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 8 AA;
                                                                   15-MAR-1995;
14-AUG-1992;
26-JAN-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-MAR-1995;
14-AUG-1992;
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                                 06-JUN-1995;
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14-MAR-2300
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Synthetic
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                                                                          epitopes
                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AB296578
                                                                                                                                                                                                                                                                                                                                                                                                                              q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ઠે
                                                                                                                                                                          This sequence represents a fragment of an amino acid sequence encoding a mutant human immunoglobulin E (19E). The mutant 19E is used to test the binding of the anti-19E antibodies of the invention. The invention relates to a bispecific antibody that binds specifically to 19E when 19E is bound to its low affinity receptor (FCEL), but does not bind to 19E, when 19E is bound to its high affinity receptor (FCEL). The bispecific antibody comprises an 19E-binding arm with human framework residues of a recipient human antibody and donor mutine CDR (complementarity determining region) residues, but with at least one human CDR residue replacing the analogous mutine residue. The antibody also corprises an FV that is specific for a predetermined antigen other than 19E. The antibodies work by displacing bound 19E from eight from residence are used for diagnosis, treatment and prevention of allergy and other 19E-mediated for diagnosis, treatment and prevention of allergy and other 19E-mediated for the scalation of FCEL from cells (for research or therapy). The bispecific antibodies of the invention do not release of histamine from must cells.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Optotoxic T lymphocyte, CTL, tumour, antigen presenting cell, allergy, lupus; autoimmune disease, rheumatoxd arthritis, autoimmune nephritis, psoriasis, AFC, multiple sclerosis, autoimmune thyroxditis, hay fever, inflammatory bowel disease, insulin dependent ulaberes; cell therapy, chohn's disease, allergic Thinitis, graft vorsus hust, disease, asthma, transplant rejection, human, immunoglobulin E, 195.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                   New bispecific antibodies, useful for treating immunishilin
E-mediated disease, binds to IgE, but only when on the low affinity
receptor, and to an antigen other than IgE
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                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 8:
                                                                                                                                                                                                                                                                                                                                                                                                                                           84.2%; Score 48; DR 21; Length 8; 100.0%; Pred. No. 9.3e+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human immunoglobulin E (IgE) Him A2 peptide motif #1...
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                                                                                                                                                     Example 5; Column 43; 48pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE35074 standard; peptide; 9 AA
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94US-0185899.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity 100.
hes 8, Conservative
                                                  Presta LG, Jardieu PM,
                       (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              σ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Jackson MR,
                                                                          WPI; 2000-269913/23.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 QKHWLSDR
                                                                                                                                                                                                                                                                                                                                                                                                                    8 A.A.;
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26-JAN-1994;
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Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE35074;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cai Z,
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The invention relates to a method of producing cytotoxic T lymphocytes (CTLs) specific for one or more non-tumour self antigen T cell epitopes. The method involves loading antigen presenting cells (APCS) having class I major histocompatibility complex molecules with the T cell epitopes. T cells with the T cell epitopes. T cells specific for the T cell epitopes. The invention is useful for treating autoimnume nephritis, multiple sclerosis, autoimnume heptritis, multiple sclerosis, autoimnume thyroiditis, insulin dependent diabetes. Croh's disease, inflammatory bowel disease, insulin dependent diabetes, Croh's disease, inflammatory bowel disease, graft versus host disease and transplant rejection and/or allergic asthma and venom allergy. The invention is also useful in cell therapy. The present sequence is human immunoglobulin E (IGE) HiA-A2 peptide motif. This peptide is used in the exemplification of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                            Producing cytotoxic T lymphocytes for treating e.g. autoimmune diseases, comprises culturing CD8+ T cells with antigen presenting cells to activate precursor CD8+ T cells specific for T the cell
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             64.9%; Score 37; DB 24; I 100.0%; Pred. No. 9.3e+05;
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... C; Mismatches
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                                                                                                                                                                                                                                                                            Example 3; Column 47; 49pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABP96578 standard; peptide; 9 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08-AUG-2002; 2002WC-US26986
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WPI; 2003-120673/11.
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Matches 6; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9 AA;
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The present invention describes a method (MI) for identifying peptides that induce cytotoxic T-lymphocyte (CTL) response agains, immunoplobiling that induce cytotoxic T-lymphocyte (CTL) response immunoplobiling complex (MEC) class I molecule, and conducting to major histocompatibility complex (MEC) class I molecule, and conducting to maintaing (T) for ability to elicit in a mammal a CTL response to naturally processed and presented lgE peptides, where a peptide that induces such a response is identified. Also described are compositions: (C2) comprising at least one immunosemble peptide (I) identified by (MI), cCC) comprising at least one isolated polynucleotide encoding (I); and cCC) comprising at least one isolated polynucleotide encoding (I); and cCC) comprising at least one isolated polynucleotide encoding (I); and cCC) comprising at least one isolated polynucleotide encoding (I); and cCC) comprising at least one isolated polynucleotide encoding (I); and cCC) are able to bind to at least on maturally processed and presented CCC length in a mammal a CTL response to naturally processed and presented CCC length encoding (I) and can be used as inducers of a CTL response against les, and in a mammal of -3 are useful for modulating an IgE mediated condition in a mammal. Preferably, Cl-3 are condition, IgE myeloma in a mammal. Preferably, Cl-3 are condition, igE myeloma in a mammal. Preferably, Cl-3 are the condition, igE myeloma in a mammal. Treferably, cnn-thitis, allergic asthat food allorgies, or atogic dermatical asthat food allorgies, or atogic dermatical asthat food allorgies, or atogic dermatical and an analytical and an analogue and an analytical and an analytical and an analogue and anal
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peptides naturally presented by major histocompatibility complex class
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Polypeptide(s) binding to specific Fc epsilon receptors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FCEH; low affinity; FUEL; Padlan;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             64.9%; Scor.
100.0%; Pred. No. v.
've. 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                             example from the present invention
                                         Example 5; Page 70; 187pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAR33?25 standard; peptide; 8 AA
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92US-0879495
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6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     receptor, Fc, 1gG1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1993-094004/11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4 SCKHWI, 9
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                                                                                                                                                                                                                                                                                                                                                                                                                                          9 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  High affinity;
IgE receptor; F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .4-AUG-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4-AUG-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07-MAY-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25-MAR 2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           34-MAR-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                             Seguence
               protein
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Best Local &
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                                                                                                                                                                                                   23:1063-1075 (1986), which is based on the crystal structure of human igglFc (besenhofer, Blochem. 20:2361-2370 (1981)), a series of murants were designed which could be used to test the binding of human igg to its receptors. These mutants are designated Emut 1-13. The sequence of AAR3325 (amino acids 329-336 of igg - numbering according to Kabat) was replaced by the sequence of AAR3325 (amino acids 329-336 of igg - numbering mutant 13. Whotant 13 shows eve and eve binding to Fc epsilon RI. The mutant igs were transiently expressed in human kidney 293 cells, purified on a mouse anti-human igs antibody affinity column and samples from using SDS-PAGE to ascertain that the mutant proteins were of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              lupus, autoimmune disease, rheumatoid arthritis, autoimmune nephritis, psoriasis, APC, multiple sclerosis, autoimmune thyroiditis, hay fever, inflammatory bowel disease, insulin dependent diabetes, cell therapy, crohm's disease, allergic thinitis; graft versus host disease, asthma, transplant rejection, immunoglobulin E, 19E, antigen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cytotoxic T lymphocyte; CTL; tumcur; antigen presenting cell; allergy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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IgE antagonists, useful for treating and preventing IgE-mediated disorders e.g. allergies
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                                                                                                                                                                                        model of IgE Fc by Padlan & Davies (Mol. Immun.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     61.4%; Score 35; DB 14; Length 8; 87.5%; Pred. No. 9.3e+05; ive C; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Immunoglobulin E (IgE) antigenic peptide, IgE 185.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   proper mol. wt. (Updated on 25-MAR-2003 to correct PN field.)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 4; Column 52; 49pp: English.
                                                                                                                     English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE35054 standard; peptide; 9 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15-MAY-2001; 2001US-29130CP.
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                                                                                                                  Disclosure; Page 57; 113pp;
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hes 7; Conserv
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I major histocompatibility complex molecules with the T cell epitopes, and culturing the CD8+T cells with the APCs to activate precursor CD8+T cells specific of the T cell epitopes. The invention is useful for treating autoimmune for a molutiple sclerosis, attoing a postiasis, lupus, autoimmune nephritis, multiple sclerosis, autoimmune thyroiditis, insulin dependent diabetes, Crohn's disease, inflammatory bowel disease, graft versus host disease and transplant rejection and/or allergic disease such as food allergy, hay fever, allergic thinits, allergic asthma and venom allergy. The invention is also useful in cell therapy. The present sequence is immunoglobulin E [19E] and spent peptide is used in the exemplification of the invention.

. AA Seguence

Score 35: DR 24: Length 9: ; Pred. No. 9:38+05; : Trohes 0; Indels 61.4%; Scot. 100.0%; Pred. No. 7... 0; Mismatches Conservative Local Similarity WISDRT 10 . 9 Query Match Matches

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Gaps

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RESULT 13 **AAE**35063

1 WLSDRT 6

AAE35063 standard; peptide; 9 AA AAE35063;

28-MAY-2003

Human immunoglobulin B (IgE) HLA-A2 peptide motif #1.

lupus, autoimmune disease, rheumatoid arthritis, autoimmune nephritis, psoriasis, APC, multiple sclerosis, autoimmune thyroiditis, hay fever, inflammatory bowel disease, insulin dependent diahetes, cell therapy, Crohn's disease, allergic rhinitis, graft versus hust disease, asthma, transplant rejection, human, immunoglobulin E, 195. Cytotoxic T lymphocyte, CTL, tumour, antigen presenting cell, allergy,

Homo sapiens

W0200292773-A2

13-MAY-2002; 2002WC-US15341.

S-MAY-2001; 2001US-291300P

CORTH) CRIHO-MONEIL PHARM INC

(egraw C) Kong Y. Sh: W, Peterson PA, Jackson MR, Cai 2,

WPI; 2003-123673/11

Producing cytotoxic T lymphocytes for treating e.g. autoinmane diseases, comprises culturing CD8+ T cells with anti-jen presenting cells to activate precursor CD8+ T cells specific for T the cell epitopes

Example 3; Column 47; 49pp; English.

The invention relates to a method of producing cyclosic T lymphocytes (CTLs) specific for one or more non-tumour self antigen T cell epitopes. The method involves loading antigen presenting cells (APCS) having class I major histocompatibility complex molecules with the T cell epitopes, and culturing the CD8+ T cells with the APCs to activate precursor CD8+ T realing autoimmune disease including rheumacoid arthritis, pseciasis, lupus, autoimmune nephritis, multiple sclerosis, autoimmune thyroiditis, insulin dependent diabetes, Crohn's disease, inflammatory bowel disease, graft versus host disease and transplant rejection and/or allergic

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that induce cytotoxic T-lymphocyte (CTL) response against immunoglobuling that induce cytotoxic T-lymphocyte (CTL) response against immunoglobuling to be ind to major histocompatibility complex (MHC) class I molecule, and evaluating (T) for ability to elicit in a mammal a CTL response to naturally processed and presented IgE peptides, where a peptide that induces such a response is identified Also described are compositions: (CI) comprising at least one immunogenic peptide (I) identified by (MI); (C2) comprising at least one isolated polynucleotide encoding (I); and (C3) comprising antigen-presenting cells that recognise at least one (I). Where CI-3 are able to bind to at least one MHC class I molecule and to elicit in a mammal a CTL response to naturally processed and presented IgE peptides. CI-3 have antiallagic, antiasthmatic, immunosuppressive, vasotropic, dermatological, antinflammatory and cytostatic activities, and can be used as inducers of a CTL response against IgE, and in
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         immune response, major histocompatibility complex, MHC, immunogenic, antiallergic, antiasthmatic, immunosuppressive, vasotropic; cytostatic; dermatoly; igG-mediated condition; food allergy, atopic hypersensitivity condition; allergic rhintis; allergic asthma; atopic dermatitis; non-atopic hypersensitivity condition;
disease such as food allergy, hay fever, allergic rhinitis, allergic asthma and venom allergy. The invention is also useful in cell therapy. The present sequence is human immunoglobulin E (IgE) HLA-A2 peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Identifying peptides that induce cytotoxic T-lymphocyte, CTL response against 1gE, by identifying peptide eliciting CTL response to 1gE peptides naturally presented by major histocompatibility complex class
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present invention describes a method (M1) for identifying peptides
                                                                                                                                                                            Gaps
                                                          motif. This peptide is used in the exemplification of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human immunoglobulin E related peptide SEQ ID NO:6.
                                                                                                                                    Score 35; DB 24; L
Pred. No. 9.3e+05;
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9 A.

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vaccines. Cl-3 can be used for modulating an IGE-mediated condition in a mammal. Cl-3 are useful for modulating an IGE-mediated condition such as IGE-mediated another such as IGE-mediated another such as IGE-mediated anotatopic hypersensition, IGE myeloma in a mammal. Preferably, Cl-3 are useful for treating atopic hypersensitivity conditions (such as allergic rinitis, allergic asthma, food allergies, or atopic dermatilis), non-atopic hypersensitivity conditions (such as allergic asthma, food allergies, or atopic dermatilis), non-atopic hypersentitivity conditions (such as anaphy.axis, and urticaria fixes). The present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  structure of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New composition comprising a substance that modularies the structure of proteins and polynucleotides, useful for therapeutic, prognostic and diagnostic reagents for eliciting celiular or humbus, immune response
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10 APR-2001/ 2001US-283112P.
25-APR-2001/ 2001US-286630P.
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Morrison K, M
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Query Match
Best Local Similarity 80.0%; Pred. No. 9.3e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 4 HWLSD 8
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Db 4 HWLSD 8
Search Completed: November 5, 2003, 17:32:29
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(cgn2 6/ptodata/2/pubbaa/NGC8 PUBCCMB, Pep: -

(cgn2 6/ptodata/2/pubbaa/NGS9 PUBCCMB, Pep: -

(cgn2 6/ptodata/2/pubbaa/NGS9 PUBCCMB, Pep: -

(cgn2 6/ptodata/2/pubbaa/NGS9 PUBCCMB, Pep: -

(cgn2 6/ptodata/2/pubpaa/US1C8 PUBCMB, Pep: -

(cgn2 6/ptodata/2/pubpaa/US1C8 PUBCMB, Pep: -

(cgn2 6/ptodata/2/pubpaa/US1C8 PUBCMB, Pubpaa/US1C8 PUBC
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             644079 seqs, 171749292 residues
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Maximum Match 1008
Listing first 45 summaries
                                                                                                                                   OM protein - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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Match Length DB
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57
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Maximum DB seq length: 10
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Perfect score:
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Sequence 52, Applications of Applications 143, Applications 143, Applications 153, Applications 154, Applications 14, Applications 14, Applications 14, Applications 14, Applications 15, Applica Sequence 24, Appl Sequence 57, Appl Sequence 52, Appl Sequence 52, Appl US 09-802-077-24
US-09-802-077-57
US-09-802-096-24
US-09-802-096-57
US-09-926-179-24
US-09-926-179-24
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US-09-926-179-24
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US-09-984-767A-144
US-09-791-778-46
US-09-791-778-49
US-09-791-778-49 84.2 884.2 884.2 884.2 84.2 864.2 961.4 961.4

20, 78, A 86, A	110, 4, 7	Sequence 53, Appl Sequence 565, App Sequence 142, App Sequence 142, Appl Sequence 154, Appl	2, A 102, A	106, 15, 167, 167, 43,	Sequence 167, App Sequence 167, App Sequence 12, Appl Sequence 21, Appl Sequence 200, App Sequence 168, App
7 12 US-10-193-764-20 8 9 US-09-848-164-78 8 9 US-09-848-164-86 8 10 US-09-9000-379-78	US-10-177-725 US-10-177-725 US-10-221-984 US-10-286-457	9 12 US 10.144-188-53 10 12 US-10-190-082-565 10 12 US-10-353-929-154 10 12 US-10-353-929-154	14 US-10-054-552-2 12 US-10-205-110-4 9 US-09-735-995-10	9 US-09-735- 9 US-09-735- 10 US-09-052 12 US-10-052 12 US-10-190	ជនជាជិន្តិ
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ALIGNMENTS

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GENERAL INFORMATION:
APPLICANT: Jardieu, Paula M.
APPLICANT: Jardieu, Paula M.
APPLICANT: Jardieu, Paula M.
APPLICANT: Jardieu, Paula M.
APPLICANT: Presers, Leonard G.
TILE OF INVENTION: Method of Treating Allergic Disorders (as amended)
FILE REFERENCE: P0718P2C2US
CURRENT APPLICATION NUMBER: US/09/802,077
CURRENT APPLICATION NUMBER: US 08/185,899
PRIOR FILING DATE: 1995-03-15
PRIOR FILING DATE: 1995-03-15
PRIOR PLICATION NUMBER: US 08/185,899
PRIOR FILING DATE: 1994-01-26
PRIOR PLICATION NUMBER: US 07/879,495
PRIOR PLICATION NUMBER: US 07/879,495
PRIOR PLING DATE: 1992-05-07
PRIOR FILING DATE: 1992-06-07
PRIOR FILING DATE: 1991-08-14
PRIOR FILING DATE: 1991-08-14
SECTION 0.24
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Sequence 24, Application US/09802077 Patent No. US20010033842A1
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Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Homo sapiens
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RESULT

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Sequence 57, Application US/09802096
| Patent No. US2001003839A1
| GENERAL PROPAGATION:
| APPLICANT: Sardieu, Paula M. |
| APPLICANT: Press, Leonard G. |
| TITLE OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended Title OF INVENTION: Method of Preventing the Onset of Allergic Disorders (as amended Title OF INVENTION: Method OF Preventing the Onset of Allergic Disorders (as amended Title OF INVENTION: WABER: US/09/802,096 |
| TITLE OF INVENTION: WABER: US/09/802,096 |
| PRIOR FILING DATE: 1995-03-15 |
| PRIOR FILING DATE: 1994-03-16 |
| PRIOR FILING DATE: 1994-04-15 |
| PRIOR FILING DATE: 1994-04-16 |
| PRIOR PRIOR PARTICALING DATE: 1994-04-16 |
| PRIOR PARTICALING DATE
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APPLICANT: Dardieu, Paula M.
APPLICANT: Dardieu, Leonard G.
ITILE CE INVENTION: Anti-IgE Antibodies (as amended)
FILE REFERENCE: POY:8P2CIDICIUS
CURRENT APPLICATION NUMBER: US 98/465,179
CURRENT FILING EATE: 2001-08-08
PRICE APPLICATION NUMBER: US 08/405,617
PRICE APPLICATION NUMBER: US 08/405,617
PRICE APPLICATION NUMBER: US 08/185,899
PRICE FILING DATE: 1992-03-08-14
PRICE FILING DATE: 1992-03-08-14
PRICE FILING DATE: 1992-03-08-14
PRICE FILING DATE: 1992-05-07
PRICE FILING DATE: 1992-05-07
PRICE FILING DATE: 1992-05-07
PRICE FILING DATE: 1992-08-14
NUMBER: OF SEQ ID NOS: 68
PRICE APPLICATION NUMBER: US 07/744,768
PRICE APPLICATION NUMBER: US 07/744,768
PRICE APPLICATION NUMBER: US 07/244,768
PRICE APPLICATION NUMBER: US 07/244,768
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84.2%; Score 48; DB 11; L
Best Local Similarity 100.0%; Pred. No. 5.8e+05;
Matches 8; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CRGANISM: Homo sapiens
US-09-925-179-24
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                                                 US-C9-802-096-57
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GENERAL INFORMATION

APPLICANT: Jardies, Paula M.

APPLICANT: Jardies, Paula M.

APPLICANT: Jardies, Paula M.

APPLICANT: Prests, Leonard G.

FILE REPRENCE: POTABPZGUS

CURRENT APPLICATION NUMBER: US/09/09/20/06

FRICE REPRENCE: POTABPZGUS

CURRENT PALLICATION NUMBER: US/09/09/20/06

FRICE FILING DATE: 1995 G3-15

PRICE FILING DATE: 1994-C1-26

PRICE FILING DATE: 1992-05-07

PRICE RELING DATE: 1992-05-07

PRICE RELING DATE: 1991-C8-14

PRICE RELING DATE: 1991-C8-14

PRICE RELING DATE: 1991-C8-14

PRICE RELING DATE: 1991-C8-14

PRICE RELING DATE: 1991-C8-14
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Sequence 57, Application US/09802077

Fatent No. US20010633842A1

GENERAL INFORMATION:
APPLICANT: Jardieu, Paula M.
APPLICANT: Dresta, Leonard G.
TITUE CF INVENTION: Method of Treating Alierand Discidents (as amended);
FILE REFERENCE: P9718P2C2US
CURRENT APPLICATION NUMBER: US 08/405,077
CURRENT FILING DATE: 1995-03-18
PRIOR PELING DATE: 1995-03-18
PRIOR PELING DATE: 1994-01-26
PRIOR FILING DATE: 1994-01-26
PRIOR PELING DATE: 1994-01-26
PRIOR PELING DATE: 1994-01-26
PRIOR PELING DATE: 1994-01-26
PRIOR PELING DATE: 1991-08-14
PRIOR PELING DATE: 1991-08-14
NUMBER OF SEQ IE NOS: 64
SEQ IE NO ST
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tive 0; Mismatches 6
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Patent No. US20010338839A1
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Best Local Similarity 100.
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CRGANISM: Homo sapiens
US-09-802-096-24
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CRGANISM: Homo sapiens
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US:09-802-096-24
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- CKHWLSDR

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US-10-144-188-52

| Sequence 52, Application US/10144188 |
| Publication No. US2030301702124|
| Publication No. US2030301702124|
| Publication No. US2030301702124|
| APPLICANT: Cai, Zeling |
| APPLICANT: Bi, Weixing |
| APPLICANT: Shi, Weixing |
| APPLICANT: Rong, Yan |
| APPLICANT: Rong, Wan |
| APPLICANT: Shi, Weixing 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Chen, Swey-Shen Alex
APPLICANT: Yang, Yong-Min
APPLICANT: Yang, Yong-Min
APPLICANT: Yang, Yong-Min
APPLICANT: Barankiewicz, Theresa J.
APPLICANT: Chen, Zhong
TITLE OF INVENTION: IMMUNCGLOBULIN E VACCINES AND METHODS OF USE THEREOF
TITLE FEBRENCE: 138:00131.P.1.1.
CHRENT FILING DATE: 2002-08-08
PRIOR APPLICATION NUMBER: 60/312,120
PRIOR FILING DATE: 2001-08-13
NUMBER OF SEC ID NOS: 61
SOFTWARE: Patentin version 3.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 9;
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100.0%; Pred. No. 5.8e+05;
tive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Peptide antigen US-10-144-188-52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        // Sequence 6. Application US/10214524
// Publication No. US20030073142A1
// GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 6; Conservative
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Best Local Similarity
Matches 6; Conserv
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US-09-884-767A-143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-214-524-6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQ ID NC 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
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Publication No. US20030073142A1

GENERAL INFORMATION:

APPLICANT: Chen, Swey-Shen Aiex

APPLICANT: Chen, Swey-Shen Aiex

APPLICANT: Chen, Zhong

TITLE CF INVENTION:

APPLICANT: Chen, Zhong

TITLE CF INVENTION: INMUNGLOBULIN E VACCINES AND NELLOSS OF THEREOF

FILE REFERENCE: TOB-0010, P.1.1

CURRENT APPLICATION NUMBER: US/10/214,524

CURRENT FILING DATE: 2001-08-18

PRIOR FILING DATE: 2001-08-13

NUMBER OF SEQ ID NCS: 61

SOFTWARE: Patentin version 3.1

SEQ ID NC 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 46; DB 11; Lend'h 8;
Pred. No. 5.8e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; indels
                                                                                                                                                                                                 APPLICANT: Jardieu, Paula M.
APPLICANT: Jardieu, Paula M.
APPLICANT: Jardieu, Leonard G.
TITLE OF INVENTION: Anti-1gE Antibodies (as amended, FILE REFERENCE: P0718P2C1D1C1US
CURRENT APPLICATION NUMBER: US/09/925,179
CURRENT FILING DATE: 2001-08-08
PRIOR APPLICATION NUMBER: US 08/466,163
PRIOR FILING DATE: 1995-60-06
PRIOR FILING DATE: 1995-00-18
PRIOR FILING DATE: 1995-01-26
PRIOR APPLICATION NUMBER: US 08/185,899
PRIOR FILING DATE: 1992-09-14
PRIOR FILING DATE: 1992-09-14
PRIOR FILING DATE: 1992-08-14
PRIOR FILING DATE: 1992-08-14
PRIOR FILING DATE: 1992-08-14
PRIOR FILING DATE: 1992-08-14
PRIOR FILING DATE: 1991-08-14
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100.0%; Pred. No. o...
                                                                                                                 Sequence 57, Application US/09925179
Publication No. US20330044858Al
GENERAL INFORMATION:
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ORGANISM: Human (Homo sapiens)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 8; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Thes 6; Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 OKHWLSDR 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 CKHWLSDR 8
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                                                          RESULT 6
US-09-925-179-57
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APPLICANT: MAERTENS, GEERT
STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
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                                                                                                                                                                                                                                                        Length 10,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
COMPATING SYSTEM: PC-DCS/MS-DCS
SOFFMARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/851,138
FILING DATE: 09-May-2001
PRICR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
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45.6%; Scote 26; DB 10;
Best Local Similarity 62.5%; Pred. No. 5e+02;
Matches 5; Conservative 1; Mismatches 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               45.6%; Score 26; DB 10;
60.0%; Pred. No. 5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 08/836,075
FILING DATE: <Unknown>
APPLICATION NUMBER: EP 94870166.9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 21 Oct 1994
FILING DATE: 21 Oct 1994
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERR, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 193:
PRICR APPLICATION NUMBER: 09/750,395 PRICR FILING DATE: 2000-12-28 NUMBER CF SEQ ID NGS: 677 SQTWARE: Patentin version 3.0 SEQ ID NO 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 193, Application US/09851138 Publication No. US20020183508A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STA.E. . USA
COUNTRY USA
ZIP. 77210-4433
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AGENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO: 19
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 60.0v
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: HOUSTON
                                                                                                                                                                   TYPE: PRT
CORGANISM: Homo sapiens
US-09-791-378-455
                                                                                                                                                                                                                                                                                                                                                                                 3 CYHYLLDR :0
                                                                                                                                                                                                                                                                                                                                       2 CKHWLSDR 9
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                                                                                                                                               CENGTH
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US-09-791-379-455
Sequence 455, Application US/09791378
Sequence 455, Application US/09791378
Sequence 7520020142303A1
GENERAL INFORMATION:
TATELE OF INVENTION: PROTEINS, GENES AND THEIR USE FOR DIAGNOSIS AND TREATMENT OF
TITLE OF INVENTION: SCHIZOPHRENIA
FILE REFERENCE, 9195-061-999
CURRENT APPLICATION NUMBER: US/09/791,378
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: JENG GYURIS et al.
TILE OF INVENTION: BUNDCHELIAL-CELL BINDING PEPTIDES FOR LIABMOSIS AND THERAPY
FILLE REFERENCE: GPCI. PD1.178
CURRENT APPLICATION NUMBER: US/10/284,457
CURRENT FILING DATE: 2002-11-01
PRIOR APPLICATION NUMBER: 60/334822
PRIOR FILING CATE: 2001-11-01
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                   APPLICANT LANDAR OND.
APPLICANT LOY, Arthur C.
APPLICANT LOY, Arthur C.
APPLICANT LAnnew, Christopher J.
APPLICANT LAnnew, Christopher J.
APPLICANT LAnnew, Robert C
TITLE OF INVENTION: NOVEL ENTEROKINASE CHAVAGE SECHENES
FILE REPRENT APPLICATION: NOVEL ENTEROKINASE CHAVAGE SECHENES
FILE REPRENT APPLICATION: NUMBER: US/09/884,767A
CURRENT FILING DATE: 2001-06-19
PRIOR FLING DATE: 2005-06-19
NUMBER OF SEQ ID NOS: 217
SOFTWARE: Patentin Version 3.1
SEQ ID NO 143
                                                                                                                                                                                                                                                                                                                                                                                                                 ; CTHER INFORMATION: synthetic enteroxinase cleavage sequence
US 09-884 %67A-143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 66.7%; Pred. No. 5.86405;
Matches 4; Conservative 6; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 7:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             49.1%; Score 28; DB 10; 80.0%; Pred. No. 5.86+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 40, Application US/10286457 Publication No. US20030166604A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ 1D NOS: 684
SOFTWARE: PatentIn version 3.1
SEQ ID NO 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: FRT
ORGANISM: Arrificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Artificial Sequence
                 US23020192789A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cuery Match
Best Local Similarity #0.0.0.
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                 Publication No. US20
GENERAL INFORMATION:
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US-10 286-457-40
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                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
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Sequence 9 Application US/10301644

Publication No. US2003012414341

Sequence 9 Application No. US2003012414341

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Palaipon, Armelle
APPLICANT: Palaipon, Franco
APPLICANT: Cortesse, Riccardo
APPLICANT: Cortesse, Riccardo
APPLICANT: Cortesse, Riccardo
APPLICANT: Machenbulh, Jean Pierre
APPLICANT: Machenbulh

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence: synthetic
OTHER INFORMATION: peptide used to induce an immune response against
OTHER INFORMATION: pathogenic microorganisms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Description of Artificial Sequence: Mutagenized OTHER INFORMATION: sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       43.9%; Score 25; DB 15; Length 9; 50.0%; Pred, No. 5.80+05; tive 3; Mismarches 1; Endels
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Sequence 34, Application US/0981766;
GENERAL INFORMATION:
GENERAL INFORMATION:
TAPPLICANT: Osbourn, Jane
APPLICANT: Osbourn, Jane
APPLICANT: Holet Inhor Thory
TITLE OF INVENTION: Improvements to ilbosome display;
TITLE OF INVENTION: Improvements to ilbosome display;
CURRENT APPLICATION NUMBER: US/09/817,66;
CURRENT FILING DATE: 2001-03-26
PRIOR PAPLICATION NUMBER: US 60/193,802
PRIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 35
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 34
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TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity 60.0
Matches 3: Conservative
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JS-10-3C1-644-9
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Search completed: November 5, 2003, :7:46:07 Job time : 22 secs

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MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER READ FORMOMENTIAL OF COMPUTER: 12M PC compatible
OPERATING SYSTEM: PC-DOS/MS-DCS
SOFTWARE: Winhatin (Genericch)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/23,539D
FLING DATE: 21-Apr:1994
CLASSIFICATION: 530
PRIOR APPLICATION: 530
PRIOR APPLICATION: DATA: APPLICATION NUMBER: 08/178583
FILING DATE: 07-JAN-1994
FRING DATE: 07-JAN-1994
FRING DATE: 14-AUG-1991
ATTORNEY/AGENTINFORMATION:
US-08-469-141A-3

US-09-141A-60

US-09-141A-60

US-09-141A-353

US-09-626-581D-59

US-09-415-765B-59

PCT-US95-13794-3

PCT-US95-13794-60

US-08-481-128-2

US-08-401-312-10

US-08-556-597-16

US-08-551-913-2

US-08-401-512-67

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Presta, Lecnard G.
APPLICANT: Jardieu, Paula M.
TITLE OF INVENTION: 1gE Antagonists
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA WAY
CTTY: South San Francisco
STATE: California
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GENERAL INFORMATION:
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REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P071
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEPHONE: 650/225-1489
INFORMATION FOR SEC ID NO: 42:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 8; Conservative
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                                                                                                                                                                                       November 5, 2003, 17:30:40 / Search time 12:333 Seconds (without aliquments) 34:206 Million cell updates/sec
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Sequence 57,
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| cggl_6/biodata/1/laa/5A_COMB.pep:*

| / cggl_6/biodata/1/laa/5B_COMB.pep:*

| cggl_6/biodata/1/laa/6A_COMB.pep:*

| cggl_6/biodata/1/laa/6B_COMB.pep:*

| cggl_6/biodata/1/laa/fB_COMB.pep:*

| cggl_6/biodata/1/laa/fB_COMB.pep:*
                                GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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PCT-US95-09816A-86
PCT-US95 13794 61
US-08-350 260A 353
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Maximum Match 100%
Listing first 45 summaries
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length: 10
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Maximum DB seq
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Perfect score:
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, i.44 Mb floppy disk
OMBUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DGS
SOFTWARE: Mineatin (Generech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Jardieu, Paula M.
APPLICANT: Presta, Lecuard G.
TILLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SEQUENCES: 65
CORRESPONDENCE ACCRESS:
ADDRESSEE: Genericoh, Inc.
                                                                                                                                                                                                                                                                                                                                                                             NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,044
REFERENCE/DOCKET NUMBER: P0718F2C1D1
TELECOMMUNICATION INFORMATION:
TELEFONE: 650/252-1489
TELEFAX: 650/922-9881
TELEFAX: 650/922-9881
APPLICATION NUMBER: US/08/466,151
             FILING DATE:
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/466163
FILING DATE: 06-Jun-1995
APPLICATION NUMBER: 08/405617
FILING DATE: 15-MAR-1995
FILING DATE: 15-MAR-1995
FILING DATE: 26-JAN-1994
FILING DATE: 26-JAN-1994
PRICR APPLICATION NUMBER: 07/879495
FILING DATE: 07-MAY-1992
PRICR APPLICATION NUMBER: 07/879495
FILING DATE: 07-MAY-1992
PRICR APPLICATION NUMBER: 07/879495
FILING DATE: 14-AC3-1991
ATTOREY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 57, Application US/06466151
; Patent No. 6037453
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15-MAR-1995
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CITY: South San Francisco
STATE: California
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PRICR APPLICATION DATA:
APPLICATION NUMBER: 08
FILING DATE: 06-Jun-19
APPLICATION NUMBER: 09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 190.
Matches 8, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 8 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
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ZIP: 9408
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US-08-466-151-57
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               84.2%; Score 48; D3 2; Length 8; 100.0%; Pred, No. 2.5e+C5; tive D; Mismatches U; Indels
                                                                                                                                                                                                                                                                                                                                                                             ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk COMPUTER: IBM PC compatible OPERATINS SYSTEM: PC-DOS/MS-DOS SOFTWARE: WinPatin (Genentech) CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,035A FILING DATE: 05-Jun-1995
CLASSIFICATION: 530
                                                                                                   US-58-464-025A-16
Sequence 16, Application US/08464025A
Patent No. 594514
GENERAL INFORMATION:
PAPLICANT Cardiau et al.
TITLE OF INVENTION: IMMUNGCOBULIN VARIANTS
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSE: Genentech, Inc.
STREET: DAM Way
CITY: South San Francisco
STREET: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MENUM TYPE: 3.5 Inch, 1.44 Mb floppy disk
COMPUTER: 1BM PC compatible
OFFFATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 24, Application US/0846615:
Patent No. 6037453
GENERAL INFORMATION:
APPLICANT: Jardieu, Paula M.
APPLICANT: Presta, Leonard G.
TITLE OF INVENTION: Immunoglobulin Variants
NUMBER OF SECUENCES: 65
CCRRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: WinPatin (Genentech)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REG:STRATION NUMBER: 39,044
REFRENCE/DOCKET NUMBER: P071
TELECCMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 16:
SECUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Genentech, Inc. STREET: 1 DNA Way CITY: South San Francisco STATE: Galifornia COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 8; Conservative
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1 CKHWISDE 8
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APPLICANT: MAEKTENS, GEERT
APPLICANT: STUYVER, LIEVEN
TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
TITLE OF INVENTION: AGENTS
NUMBER OF SEQUENCES: 267
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ..
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100.0%; Pred. No. 2.5e+05;
ive 0; Mismatches 0; Indels
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ZIP: 77210-4433
COMPUTER: USA
COMPUTER: LEADED disk
SOFTWARE: LEADED disk
COMPARING SYSTEM
APPLICATION DATA:
AP
      CURRENT APPLICATION NUMBER: US/08/466,163B
CURRENT FILING DATE: 1995.06.06
PRIOR APPLICATION NUMBER: US 08/405,617
PRIOR PILING DATE: 1995.03.15
PRIOR FILING DATE: 1995.01.26
PRIOR FILING DATE: 1992.05.77
PRIOR PILING DATE: 1992.05.77
PRIOR FILING DATE: 1992.05.77
PRIOR FILING DATE: 1992.05.77
PRIOR FILING DATE: 1992.06.14
NUMBER OF SED ID NCS: 64
SEQ ID NO 57
                       US/08/466,163B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ARNOLD, WHITE & DURKEE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1NNS: 004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: KAMMERER, PATRICIA A. REGISTRATION NUMBER: 29,775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            193:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: ARNOLD, WHIT
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
JENGTH: 10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 8; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: PRT
; ORGANISM: Homo sapiers
US-08-466-1638-57
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100.0%; Pred, No. 2.5e+05;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 8;
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100.0%; Pred. No. 2.5e+05;
Live 0; Mismatches 0;
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Patent No. 6329509
GENERAL INFORMATION:
APPLICANT: Jardieu, Paula M.
APPLICANT: Presta, Leonard G.
TITLE CEFERENCE: P0718P2CDID:
CURRENT APPLICATION NUMBER: US/08/466,163B
CURRENT FILING DATE: 1995-00-06
PRIOR APPLICATION NUMBER: US 08/405,617
PRIOR APPLICATION NUMBER: US 08/105,899
FRIOR FILING DATE: 1994-01-26
PRIOR FILING DATE: 1994-01-26
PRIOR FILING DATE: 1992-05-07
PRIOR FILING DATE: 1992-05-07
PRIOR APPLICATION NUMBER: US 07/879,495
PRIOR FILING DATE: 1992-05-07
PRIOR FILING DATE: 1991-01-26
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US-08-466-1638-57
Sequence 57, Application US/084661638
Patent No. 6329509
GENERAL INFORMATION:
APPLICANT: Jardieu, Paula M.
APPLICANT: Presta, Leonard G.
TILE OF INVENTION: Immunoglobulin Variants
FILE REFERENCE: P0718P2CID1
                                                                                                                                                                                                                                      NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39,004
REFERENCE/SOCKET NUMBER: F0718F2C1D1
TELECOMINICATION INFORMATION:
TELEPHONE: 650/255-1489
TELEFAX: 650/952-9881
PRIÓR APPLICATION DATA:
APPLICATION NUMBER: 07/879495
FILING DATE: 07.MAX-1992
PRICR APPLICATION DATA: 27/744768
APPLICATION NUMBER: 27/744768
FILING DATE: 14-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ 1D NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 100.
Matches 8, Conservative
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ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: Amino Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 8; Conserv
                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: 65
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US-08-466-163B-24
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APPLICANT: Phalipon, Armelle
APPLICANT: Phalipon
APPLICANT: Sansonetti, Philippe
APPLICANT: Sansonetti, Philippe
APPLICANT: Sansonetti, Philippe
APPLICANT: Cortese, Riccard
APPLICANT: Cortese, Riccard
APPLICANT: Kraehenbuhl, Jean Pierre
APPLICANT: Kraehenbuhl, Jean Pierre
APPLICANT: Kraehenbuhl, Jean Pierre
APPLICANT: Kraehenbuhl, Jean Pierre
APPLICANT: Cortese, Riccard
APPLICANT: Cortese, Riccard
APPLICANT: POLYSACCHARIDE ANTIGEN OF A PATHOGENIC MICROGRANISM
TITLE OF INVENTION: GOMPOSITIONS
TITLE OF INVENTION: GOMPOSITIONS
FILLE REFERENCE: 33495-0176
CORRENT APPLICATION NUMBER: US/09/144,280A
CORRENT FILING DATE: 1998-08-31
EARLIER RPILICATION NUMBER: 60/057,906
EARLIER FILING DATE: 1997-09-04
NUMBER OF SEQ ID NOS: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Description of Artificial Sequence: synthetic OTHER INFORMATION: peptide used to induce an immune response against CTHER INFORMATION: pathogenic microorganisms
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APPLICANT: Shamovsky, Igor L.
APPLICANT: Shamovsky, Igor L.
APPLICANT: Riopelle, Richard J.
APPLICANT: Weaver, Donald F.
TITLE OF INVENTION: Binding
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dowell 6 Dowell, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 43.9%; Score 25; DB 4; Length 9; Best Local Similarity 50.0%; Pred. No. 2.5e+05; Matches 4; Conservative 3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO) CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AUNESSEE: Dowell & Dowell, P.C. STREET: 1215 Jefferson Davis Highway, Suite 309 CITY: Arlington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/904,446A FILING DATE: 31-JJL-1997 PRIOR APPLICATION NUMBER: GB 9616105.4 APPLING DATE: 31-JJL-1996 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE: Virginia
COUNTRY: United States of America
ZIP: 22202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DCS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-C8-934-446A-10
; Sequence 10, Application US/08934446A
; Patent No. 6029114
                                                                  RESULT 9
US-09-144-280-9
: Sequence 9, Application US/09144280A
: Patent No. 6528061
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 9
LENGTH: 9
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                                                                                                                                                                                                      GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Inoue, Makoto
APPLICANT: Kikuchi, Kaoru
APPLICANT: IS, 194, Yok
APPLICANT: IS, 194, Yok
APPLICANT: IS, 194, Yok
APPLICANT: IS, 194, Yok
APPLICANT: Kimura, Toru
APPLICANT: No. 5939534uchi, H:rosh:
IITLE OF INVENTION: NOVEE HUMAN CILIARY NEUROTROPHIC FACTORS
   45.6%; Score 26; DR 3; Length 10; 60.0%; Pred. No. 1.7e+02; tive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 25, DB 2, Length 8, Pred, No. 2,5e+05, 0, Mismatches 2, Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E: SUGHRUE, MION, ZINN, MACPEAK & SEAS 2100 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRICEATION NUMBER: US/08/669,284B
FILING DATE: 28-JUN-1996
PRIOR PAPLICATION NUMBER: US/08/669,284B
PRIOR APPLICATION NUMBER: PCT/JD94/02269
PRICK APPLICATION DATA:
APPLICATION NUMBER: JD 66.268281
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JD 66.201564
FILING DATE: 05-0CT-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JD 66.201564
FILING DATE: JC 7-AUG-1994
PRIOR APPLICATION NUMBER: JC 65-1509:44
PR
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                                                                                                                                                                                                                                                                                                                                                                  Sequence 20, Application US/086692848 Patent No. 5939534 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
CCMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DGS/MS DGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 33,981
REFERENCE/DOCKET NUMBER: Q-
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             43.9%;
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
Cuery Match
Best Local Similarity 60.0
Matches 3; Conservative
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Best Local Similarity 66.7
Matchew 4; Conservative
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MOLECULE TYPE: peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Washington
STATE: D.C.
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          amino acid
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20037
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| SRRHW 6
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APPLICANT: ROBERTS, David D.
APPLICANT: ROBERTS, Herry C.
APPLICANT: Subes, John M.
APPLICANT: Subes, John M.
APPLICANT: Subes, John M.
APPLICANT: Guo, Nerg-hua
APPLICANT: Negre, Eric
TITLE OF INVENTION: Peptide Inhibitors of Fibronectin and
TITLE OF INVENTION: Related Collagen-Binding Proteins
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: 379 Lytton Avenue
CITY: Palo Alto
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Floppy disk.
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
CORRATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/462,720
FILING DATE: 05-JUN-1995
CLASSIFICATION: 514
ATTORNEY/AGENTINFORMATION:
NAME: DOW, KATER B:
REGISTRATION NUMBER: 29,684
REFERENCE/POCKET NUMBER: 015280-023110US
TELECOMMUNICATION INFORMATION:
TELEFHONE: (415) 326-2400
                                                                                          RESULT 12
US-08-462-720-19
'Sequence 19, Application US/08462720
'Patent No. 5849701
'GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 67, Application US/08487006
Patent No. 5641861
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (415) 326-2422
INFORMATION FOR SEQ 1D NO: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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Best Local Similarity
Matches 37 Conserv
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                          3 KH¥ 5
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NGF, mouse NGF or delta 3 9 motant of mouse NGF"
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GENERAL INFORMATION:
APPLICANT: David D. Roberts, et al.
TITLE OF INVENTION: Peptide Inhibitors of Fibionection and
TITLE OF INVENTION: Related Collagen-Binding Proteins
NUMBER OF SOURCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lowe, Price, LeBlanc & Becker
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ouery Match

42.1%; Score 24; DB 1; Length 5;

Best Local Similarity 100.0%; Pred, No. 2.59+05;

Matches 3; Conservative 6; Mismatches 1; Hodels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Lowe, Price, LeBlanc & Becker STREET: Suite 300, 99 Canal Center Plaza CITY: Alexandia STATE: Virginia STATE: Virginia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Word Perfect, Version 6. CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/973,2:656 FILING DATE: 19921110 CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 11
US-07-973-235A-19
: Sequence 19, Application US/07973235A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER REALMBLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DGS
NAME: RALPH A. DOWELL
REGISTRATION NUMBER: 26868
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 415-2559
TELEPHONE: (703) 415-2559
INFORMATION FOR SEQ ID NO: 10: SEQUENCE CHARACTERISTICS:
LENGTH: 4 amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: ROBERT L. Price
RECISTRATION NUMBER: 22,685
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FCR SEQ ID NO: 19: SEQUENCE CHARACTERISTICS: LENGTH: 5 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (703)684-1111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               . 5 amino acids
AMINO ACIDS
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                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                             LOCATION: 1.14
CTHER INFORMATION:
CTHER INFORMATION:
                                                                                                                                                                                                                                                                                                          NAME/KEY: Peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3 KHW 5
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                                                           Gaps
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GENERAL INFORMATION:
APPLICANT: Dooley, Colette T.
APPLICANT: Houghten, Richard A.
TITLE OF INVENTION: No. 5641861el Mu Opioid Receptor Ligands:
TITLE OF INVENTION: Againsts and Antagonists
NUMBER OF SEQUENCES: 222
CORRESPONDENCE ADDRESS:
ADDESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Elego
STATE: Callionia
42.1%; Score 24; DB 2; Length 5; liarity 100.0%; Pred. No. 2.5e+05; Conservative C; Mismatches 0; Indels
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, OTHER INFORMATION: Peptide X Library US-08-877-605-172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Artificial Sequence FEATURE:
  SEQUENCE CHARACTERISTICS:
                    LENGTH: 6 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4 HWLSDR 9
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US-08-877-605-172
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ) OTHER INFORMATION: /note= "Amino acid is amidate; at OTHER INFORMATION: the C-terminal."
         COMPUTER REDABLE FORM:
NBCLIM TYPE: FicPpy disk
NBCLIM TYPE: FicPpy disk
COMPUTER: IBM PC compatible
CPERATING SYSTEM: PC-DOS/MS-DCS
SOFTWARE: Patentin Release #1.0, Versio: #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,056
FLING DATE: 07-UN-1995
CLASSIFICATION: 510
ATTORNEY/ASNATION:
REFERENCE CAPPED! Cathryn A. RESESSIFICATION NUMBER: PTP 1705
TELEFOND: (619) 535-9001
TELEFOND: (619) 535-9001
TELEFOND: (619) 535-8949
INFORMATION FOR SEQ ID NO: 67;
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIPI 92.22
COMPUTER READABLE FORM:
MEDIUM TYPER 13 PC compatible
COMPUTER: 13 PC compatible
COMPUTER: 13 PC compatible
COMPUTER: 14 PC compatible
SOFTWARE: Patentin Release #1.0, 7crs:on =1.2s
CURRENT APPLICATION DATA
FILING DATE: 07-00W-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAVE: Campbell, Cathyn A.
REGISTRATION NUMBER: 31,815
PRESISTANTION NUMBER: 31,815
PRESISTANTION NUMBER: 31,815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 67, Application US/08488659A

Parent No. 5919897
GENERAL INFORMATION:
APPLICANT: Dooley, Colette 7.
APPLICANT: Houghten, Richard A.
TITLE OF INVENTION: Mu Opioid Receptor Ingands:
TITLE OF INVENTION: Appnists and Air Aqveists S.
TITLE OF INVENTION: Appnists and Air Aqveists S.
NUMBER OF SECUENCES: 223
CORRESPONDENCES:
ADRRESSEE: Campbell and Flores
STREET: 4370 La Jolia Village Drive, Survey:
CITT: San Diego
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: P-TP :705
TELECOMMUN: CATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 67:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 3, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION:
COUNTRY
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APPLICANT: Robert Townsend
APPLICANT: Robert Townsend
APPLICANT: Raj Parekh
APPLICANT: Raj Parekh
APPLICANT: Raj Parekh
APPLICANT: Nick Webb
TITLE OF INVENTION: A METHOD FOR DE NOVO PEPTIDE SEQUENCE DETERMINATION
FILE REFERENCE: 9195-004
CURRENT APPLICATION NUMBER: US/C8/R77,605
CURRENT FILING DATE: 1997-06-18
NUMBER OF SEQ ID NOS: 353
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 172
LENGTH: 6
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                                                                                                                                                                       Query March 42.1%; Score 24; DB 2; Length 6; Best Local Similarity 100.0%; Pred. No. 2.5e+05; Matches 3; Conservative 0; Mismatches 0; Indels
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PEATURE:
NAMMS/KEY: Peptide
LOCATION: 6
OTHER INFORMATION: /note= "Amino acid is amidated at
OTHER INFORMATION: the C-terminal."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
42.1%; Score 24; DB 4; L
Best Local Similarity 50.0%; Pred. No. 2.5e+05;
Matches 3; Conservative 3; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Search completed: November 5, 2003, 17:36:11 Job time: 13.3333 secs
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Title: Perfect score:

Seguence:

OM protein

Run ca:

Scoring table:

Minimum DB Maximum DB

Catabase

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peptidylglycine mo
D-amino-acid oxida
leucosulfakinin-II
streptopain (EC 3.
neuromedin C - lau
neuromedin C - bov
                                                                                                                     neomyosuppressin -
bothropstoxin - ja
T-cell receptor be
nuclease Bhl (EC 3
 leader peptide - P
Ig heavy chain CRD
                                                                                            cardioexcitatory n
leucosulfakinin II
                                                                                                                                                                                 hypothalamic hepta
                                                                                                                                                                                                                                                                         5-Tayer protein . Bacillus thuringiensis (fragment)
C;Species: Bacillus thuringiensis
C;Species: Bacillus thuringiensis
C;Species: Bacillus thuringiensis
C;Accession: A64476
R;Luckevich, M.D.; Beveridge, T.J.
J; Bacteriol: 171, 666-6667, 1889
A;Reference number: A66476; MUID:90078111; PMID:2592346
A;Roccession: A64476
A;Molecule type: protein
A;Residues: 1-10 < LUC>
C;Comment: The S-layer, or surface array, is the outermost component of seve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A31576

xylose isomerase (EC 5.3.1.5), intracellular - Streptomyces sp. (fragment)
C;Species: Streptomyces sp.
C;Species: Streptomyces sp.
C;Date: 31 Mar-1990 #sequence_revision: 31-Mar-1990 #text_change 28-Apr-1993
C;Accession: A31576
R;Pawar, H.S.; Kannan, K.; Srinivasar, M.C.; Vartak, H.G.
Bicchem. Biophys. Res. Commun. 155, 41-417, 1988
A;Title: Purification and characterisation of glucose (xylose) isomerase fro
A;Roncents: Chainia sp. NCL 82-5-1
A;Accession: A31576
A;Accession: A31576
A;Roscidues: 1-9 <PAW>
A;Residues: 1-9 <PAW>
                                                                                                                                                                   Fc epsilon RIIb
                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 21, DB 2; Length 1C,
Pred. No. 7.4e+02;
0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C;Keywords: intramolecular oxidoreductase; isomerase
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                                            GMROL2
A61289
PQ0:77
A60647
          PT0315
A42266
S39437
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A30823
PH0895
A59173
A46474
NYPG7
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B60656
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es 3; Conserv
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eno 1,4 beta-xyla
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carbon-monoxide de
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major protein anti
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                                                                               2003, 17:29:45 ; Search pine 11 Seconds (without alignments) 87:426 Million cell updates/sec
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                                                                                                                                                                                                                                           30::
          GenCore version 5.1.6
(c) 1993 - 2003 Compagen Ltd.
                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                 283308 segs, 96168682 residues
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Maximum Match 100%
Listing first 45 summattes
                                                          protein search, using sw model
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A28719
S69165
A60427
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Match
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C. Accession: A276:7
R. Bauw, G.; De Locse, M.; Inze, D.; Van Montagu, M.; Vandekerckhove, J.
R. Bauw, G.; De Locse, M.; Inze, D.; Van Montagu, M.; Vandekerckhove, J.
R. Bauw, G.; De Locse, M.; Inze, D.; Van Montagu, M.; Vandekerckhove, J.
A.; Ittle: Alterations in the phenotype of plant cells studied by NH2-terminal amino acid.
A. Reference number: A94167
A. Molecule type: protein
A. Molecule type: protein
A. Residues: 1-10 aB40.
C. Keywords: gluconeogenesis; glycolysis; intramolecular oxidoreductase; isomerase; pen
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RRAC, M.; Khadilkar, S.; Bandivadekar, K.R.; Deshpande, V.
Biochem. C. 316, 771-775, 1996
Ajfile: Structural environment of an essential cysteine residue of xylanase from Chai A;Reference number: S70615; MJD:96265041; PMID:8670151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     R;Weiss, J.B.; Lote, C.J.; Bobinski, H.
Nature New Biol. 234, 25-26, 1971
A;Title: New Diol. 234, 25-26, 1971
A;Title: New Diol. 204 noi-ecular weight glycopeptide containing triglucosylcysteine in humar
A;Reference number: AG3187; MUID:72034940; PMID:5286858
A;Reference number: AG3187.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          endo-1,4-beta-xylanase (EC 3.2.1.8) - Streptomyces sp. (Chainia sp. NCL 82.5.1) (fragm
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A;Residues: 1-:0 <ME)>
C;Comment: The identity of the glycoprotein from which this peptide is derived is unKr
found (see P.R.XSHJEU).
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0
                                                                                                                                                           triose-phosphate isomerase (EC 5.3.1.1) - curled-leaved tobacco (fragment) C;Species: Nicotiana plumbaginifolia (curled-leaved tobacco) C;Date: 19-May-1989 #sequence_revision 19-May-1989 #text_change 28-Apr-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        N;Alternate names: xylanase
C;Species: Streptomyces sp.
A;Variety: Chainia sp. NCL 82.5.1
C;Date: 19-Mar:1998 #sequence_revision i7-Apr-1998 #text_change 07-May-1999
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C;Date: 26-Jun-2000 #seguence_revision 20-Jun-2000 #text_change 20-Jun-2000
C;Accession: A03187
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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Pred. No. 4.3e+03;
0; Mismatches 1; Indels
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A,Residues: 1-5 <RAO>
A,Experimental source: Chainia sp. strain NCi 82.5.1
A,Note: the scurce is designated as Chainia sp.
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Best Local Similarity 75.0%;
Matches 3; Conservative
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Cispecies: Mus musculus (bouse mouse)
Cibate: 20 Oct-1994 #sequence_revision 17-Nov-1995 #text_change 18-Aug-2000
CiAccession: 543971 #sequence_revision 17-Nov-1995 #text_change 18-Aug-2000
CiAccession: 543971 #sequence_revision N.; Filedman, M.; Eisenstein, M.; Eisenbach, L.
Nature 369, 67-71, 1994
Affille: CTL induction by a tumour-associated antigen octapeptide derived from a murine Affille: CTL induction by a tumour-associated antigen octapeptide derived from a murine Affille: CTL induction by a tumour-associated antigen octapeptide derived from a murine Affille: protein Affilminary
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R.Mandelboum, O.; Berke, G.; Fridkin, M.; Feldman, M.; Eisenstein, M.; Eisenbach, L.
Nature 1849, 67-71, 1994
A.Title: CTL induction by a tumour-associated antigen octapeptide derived from a murine
A.Reference number: 543971; MUD:942;7811; PMID:8164742
A.Accession: 543972
A.Accession: preliminary
A.Moteule type: protein
A.Residues: 1-8 <MAN>
C.Superfamily: unassigned animal peptidus
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Aprile: Molecular cloning and quantification of CRNA 401 protein encoding Ca2--ATPase
Apreference number: 151892
Apreference number: 151892
Aprecession: 164802
Appending preliminary: translated from GB/EMHI/DDBC
Appender upper mRNA
Appender upper mRNA
Appender 1-8 (RES)
Approser: 1-8 (RES)
Approser: 1-8 (RES)
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C;Species: Mus musculus (house mouse)
C;Date: 2C-Oct-1994 #sequence_revision 17-Nov-1995 #text chat.ge 18-Aug-2000
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Cispecies: Rattus noivegrous (Norway 14).
Cispecies: Rattus noivegrous (Norway 14).
Cispecies: Rattus noivegrous Caston 02 Aughithmathat change 19 April 2002
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Riwu K.
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Best Local Similarity 60.0%;
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Best Jocal Similarity 50.v.
Fee - 3; Conservative
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Best Local Similarity 60.01
Matches 3; Conservative
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|| :|
1 FEONT 5
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Cispecies: Homo sapiens (man)
Cispecies: Homo sapiens (man)
Cispecies: Homo sapiens (man)
Cibate: 20.Jun-2000
Cibate: 20.Jun-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CACCESSION: A66427 "SQUENCY MILLIAMS, U.S.
RIJORES, C.M.; FRINCE, C.A.; Williams, U.S.
Exp. Hematol. 19, 704-709, 1991
A;Title: Purification and amino acid analysis of a human macrophage cytotoxicity-induc A;Reference number: A60427; MUID:91372335; PMID:1909970
A;Reference number: A60427; MUID:91372335; PMID:1909970
A;Rocession: A60427
A;Rocess
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C;Date: 19-May-2000 #sequence_revision 19-May-2000 #text_change 19-May-2000
C;Accession: A59272
R;Alex, 5: Paschinger, K.; Dalik, T.; Vorauer, K.
Eur. J. Blochem, 252, 118-123, 1998
A;Title: Characterisation of peptide-N4-(N-acetyl-beta-glucosaminyl)asparagine amidase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        peptide-N4- (N-acetyl-beta-glucosaminyl)asparagine amidase (BC 3.5.1.52) A, large chain
N.Alternate names: peptide N-glycosidase
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  macrophage cytotoxicity-inducing factor, 29K - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 12-Feb-1993 #sequence_revision 12-Feb-1993 #text_change 18-Jun-1993
                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                  2; Indels
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                                                                                                                    Score 15; DB 2; Length 8;
Pred. No. 2.8e+05;
0; Mismatches 2; Indels
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A;Residues: 1-8 <OBA>
C;Keywords: 2Fe-2S; electron transfer; iron-sulfur protein
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                                                                                                                         27.3%;
                                                                                                                    Query Match
Best Local Similarity 60.0
Matches 3, Conservative
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Best Local Similarity 103.
Matches 3; Conservative
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Best Local Similarity
Matches 3; Conserv
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R.Burstein, Y.; Buchner, V.; Pecht, M.; Trainin, N.
Elochemistry 27, 4066 4071, 1988
A.Title: Thymic Humoral factor gamma-2: purification and amino acid sequence of an immun A.Reference number: A28719; MUID:88326320; PMID:8844
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 C;Species: Mismusculus (house mouse)
C;Date: 19-Nov:1988 #sequence_revision 18-Aug-2000 #text_onanje 19-Aug-2000
C;Date: 19-Nov:1988 #sequence_revision 18-Aug-2000 #text_onanje 19-Aug-2000
C;Accession: A2600, K.; Edminson, P.D.
B;ochem: B;Ophys: Res. Commun. 146, 1493-1501, 1997
B;ochem: B;Ophys: Res. Commun. 146, 1493-1501, 1997
B;Title: Isolation and structure of an epidermal mitchis inhibiting pentapeptide.
A;Reference number: A26830; MUID:87298602; PMID;3619940
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Cispecies: Kaiware daikon (Japanese radish)
Cisate: 10-Mar.1998 #sequence_revision 10-Mar.1998 #text change 17-Apr-1998
Cisacession: S69165
Richard, S.; Nishimura, M.; Nagai, K.; Sakihama, N.; Shin, M.
Arch. Biochem. Biophys. 316, 797-802, 1995
A;Title: Four ferredoxins from Japanese radish leaves.
A;Reference number: S69164; MUID:95168867; PMID:7864615;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          thymic humoral factor gamma-2 - bovine (fragment)
C/Species: Bos primigenius taurus (cattle)
C/Date: 30-Sep-1989 #sequence_revision 30-Sep-1989 #text_change 18-Jun-1993
                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C.Superfamily: unassigned animal peptides
C.Keywords: blocked amino end; pyroglutamic acid
F.1/Modified site: pyrrolidone carboxylic acid (Sin) #status experimental
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C:Keywords: glycoprotein
F:1/Binding site: carbohydrate (Cys) (covalent) #status experimental
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(2
                                                                                                                    29.1%; Score 16; DB 2; Length 10; 40.0%; Pred. No. 6.7e+03; tive 2; Mismatches 1; Indels
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100.0%; Pred. No. 2.8e+05;
tive C; Mismatches 0;
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                                                                                                                    Query Match
Best Local Similarity 40.0
Matches 2; Conservative
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Best Local Similarity 60.0
Matches 3; Conservative
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Best Local Similarity
Thes 3; Conserve
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A;Residues: 1-8 <8UR>
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2 EDS 4
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A28719
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RESULT 15
A43977
Carea in the protein - tobacco horimorm
C.Species: Manduca sexta (tobacco horimorm)
C.Schocession: A43977
C.Accession: A43977
C.Tacloud - 1. 849-886, 1990
C.Tacloud - 1. 849
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A;Reference number: A59272; MUID:98181894; PMID:9523720
A;Accession: A59272
A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-10 <ALT.
C;Keywords: hydrolase
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                                                                                                                                   5, 2003, 17:23:40 ; Search time 7:33:3 Seconds (without alignments) 64.127 Million cell updates/sec
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                   GenCore version 5.1.6
(c) 1993 - 2003 Compugen itd
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MEDILNE=88126315; PubMed=3415697;
Pawari H.S.; Karnan K., Srinivasan M.C.; Vartak H.G.;
Pawari H.S.; Karnan K., Srinivasan M.C.; Vartak H.G.;
Punification and characterisation of glucose (xylose) isomerase from Chainia sp. 1805-8717...
Blochem: Plophys Res. Commun. 155:411-417(1988).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDINE BOOT811: pubmed-2592346;

Luckevich M.D., Beveridge T.J.;

"Characterizal and advants S. layer on Bacillus thuringiens:s.";

"Characterizal and advants S. layer on Bacillus thuringiens:s.";

"Characterizal and advants S. layer on Bacillus thuringiens:s.";

"Sacterizal and advants S. layers IS A PARACRYSTALLINE MONO-LAYERED ASSEMBLY

OF PROTEINS WHICH COAT THE SURFACE OF BACTERIA.

"-- SUBCELULAR LOCATION: CELL WALL. THIS BACTERIUM IS COVERED BY A

S. LAYER WITH OBLIQUE (P2) SYMMETRY.

PIR; A60476,

Cell wall; S. layer.

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Bacteria: Actinobacteria: Actinomycetales: Streptomycineae; Streptomycetaceae; Streptomyces.
NCBI_Tax16=1931;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT:
SLAP BACTG
AC P4935.

DT 0.FEB-1996 (Rel. 33, Created)
DT 01-FEB-1996 (Rel. 33, Last annotation update)
DT 01-FEB-1996 (Rel. 33, Last annotation update)
DT 01-FEB-1996 (Rel. 33, Last annotation update)
DE Slayer protein (Surface layer protein) (Fragmenti. CS Bacillus thuringiensis (Subsp. galieriae).
CC Bacteria, Firmicutes; Bacillales, Bacillus.
CX NCBI_TAXID:29338;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10 AA; 1080 MW; S7AECACAB769D1A3 CRC64;
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01-NOV-1990 (Rel. 16, Last sequence update)
15-SEP 2003 (Rel. 42, Last annotation update)
Xylose isomerase (EC 5.3.1.5) (Fragment).
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A FLI

N. SEQUENCE.

R. A BAGUEL OF, Highes G.U., Frittiger S., Paquet N., Bairoch A.,

R.A Pasquain C., Sanchez J.-C., Tissol J.-D., Appel R.D., Walzer C.,

R.A Balant L., Hochstrasser D.F.,

R.L Submitted (FER-1994) to the SWISS PROT data bank.

C. Hochstrasser D.F.,

R.L SUBMITTED THIS UNKNOWN

C. HROTELIN IS: 4.77, ITS M IS: 26 kDa.

BR SS-2DPAGE; P34990; HUMAN.

FT NON TER

R.D 10

SSEQUENCE IC AA; I161 MW; F72DB2E9C44B1871 CRC64;

SC SEQUENCE IC AA; I161 MW; F72DB2E9C44B1871 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIANE=120349940; PubMed=5286858;
Merss C.B., Lote C.C., Bobinski H.;
"New Yow molecular weight algoropepride containing triglucosyloyshellic
"In burson pryntholy:e membrane";
Nature New Biol, 244:25-26:1371;
Nature New Biol, 244:25-26:1371;
NATURED DINNED DISCAN FONSISTS OF GLC-GLC-GLC TRISACCHARIDE.
MISSELANDOUS: THE IDENTITY OF THE GLYCOPROTEIN FROM WHICH THIS PEPTIDE IS DESTIVED IS UNKNOWN, NO PHYSIOLOGICAL FUNCTION HAS BEEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
NCSI_TaxID=9606;
                                                                                                                                                                                    Eukaryota: Metazoa; Chordata; Craquata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Frimates; Catarrhini; Hominidae; Homo.
   01-FEB-1994 (Rel. 28, Created)
01-FEB-1994 (Rel. 28, Last sequence update)
16-0CT-2001 (Rel. 40, Last annotation update)
Unknown protein from 20-page of red blood cells (Spot 2D-C36HO)
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50.0%; Pred. No. 1.66+03;
ive 0; Mismatches 3; Indels
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239BFEEAAIF581E8 CRC64,
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21-035.1986 (Rel. 0), Last sequence update)
16-07.2001 (Rel. 0), Last annotation update)
Horospiens (Human),
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CARBOHYD 1
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Matches 2: Conservative
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                                                                                                                                                                                                                                                   NCBI_TaxID=9606;
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InterPro; IPR01938; Xylose isom.
PROSITE; PS:00172; XYLOSE ISOMERASE;; PARTIAL.
PROSITE; PS:00172; XYLOSE ISOMERASE;; PARTIAL.
ISOMETASE; PERTOSE SHUDE; Xylose metabolism; Metal London; Magnesium.
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PHYLES.
OLYMON 1990 (Rel. 16, Last sequence update)
Throsephosephate Lummerase, volvosolve (Rel. 11, LTIM. Framemont).
Michigan plumbagnifella (Leadwort Leaved Consoci
Exaryota, Varidiplantae) Streptophyta: Embryophyta, Framemophyta, Magnoliophyta; endicotyledons, core editors;
Nochigan Lamida; Solanales; Solanaceae, Miccisola.
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PATEMAY: Plays an important tole in several metablic partways.

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AND PLANTING.
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PROSITE: PSOCIT: TIM: PARTIAL.
Isomerase: Glycolysis: Gluconeogeneess, fully as it is syn heats:
FUNCTION: Involved in D-xylose catabolism.
--- CATALYTIC ACTIVITY: D-xylose = D-xylulose.
--- CCEACTOR: Binds 2 magnesium ions per subunit :Potentia.).
--- SUBUNIT: Bomotetramer.
--- SUBUNIT: Bomotetramer.
--- SUBUNIT: Bomotetramer.
--- SUBUNIT: BOCCATION: Cytoplasmic.
--- SUBUNIT: BOCCATION: Cytoplasmic.
--- SUBUNIT: BLONGS TO THE XYLUSE ISCMERASE FAMILY.
--- PIR: A11576, A31576.
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Best Local Similarity 100.0%; Pred. No. 1.34-05;
Matches 3; Conservative 0; Mishatches 0; InHels
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10 AA: 1140 MW; 80B9D3/86400%/9F] C8 944,
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Matches 3: Conserv
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NON TEX
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URAY HUMAN
10 URAY HUMAN
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Comp. Biochem. Physici. i148:1-9(1996).
- FINCTIONS STRONG: INHIHITS TRYPSIN AND PLASMA ENZYME(S) ACTIVITY
-- SUBDIT: Monower.
-- SUBDIT: Monower.
-- SIMILARITY: BELONGS TO THE SHAPIN FAMILY.
-- SIMILARITY: SEPOND. SEPOND.
-- SEPOND. SERPIN. PARTIAL.
SEPOND. SERPIN. PARTIAL.
SEPOND. SETPIN. PARTIAL.
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Mammalia, Eutheria, Primares, Catarrhini, Hominidae, Homo.
NCBI Jaxin 9676,
                                                                                                                                                                                                                                  Shishikura F., Abe T., Ohtake S.-1., Tanaka K.,
"Purification and characterization of a 58,000-ba proteinase inhibitor from the hemolymph of a solitary ascidian, Halocynthia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ..
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Pred, No. 1.3e+05;
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                                                                                           Serine proteinase inhibitor (Fragrant).
Halocynthia roretzi (Sea squitt).
Eukaryota: Matazoa: Chordata; Urochordata; Ascidiacea;
Stolidobtanchia; Pyuridae; Halocynthia.
                                                                                                                                                                                                                                                                                                                                                                                                            NCN TER 10 10
SEQUENCE 10 AA; 1164 NW; 4225C73B1B187AA3 CRC64;
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Pred. No. 3.8e+03;
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21-JUL-1986 (Rel. Cl. Last sequence update)
21-JUL-1986 (Rel. Cl. Last annotation update)
Growth-modulating peptide.
                                                          (Rel. 37, Last sequence update)
(Rel. 37, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                27.3%; Scott.
190.0%; Pred. No. J.
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100.0%; Pred. No. 4...
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MEDLINE=96321313; PubMed-8759295;
                                        01-0CT-1996 (Rel. 34, Created)
01-0CT-1996 (Rel. 34, Last seq:
15-DEC-1998 (Rel. 37, Last anno
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3, Conservative
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                 STANDARD;
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Best Local Similarity
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 GRWM_HUMAN
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                                                                                                                                                                                                                  Eukaryota, Metazoa, Arthropoda, Bexapoda, Insecta, Polygota, Neptera, Endopterygota, Lepidoptera, Glossata, Diliysia, Sphinglodea, Sphinglide, Sphinglide, Manduca, MCBI TaxID=7130,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sape
                                                                                                                                        SEQUENCE.
MEDGINE=91048356; PubMed=2235684;
Kingan T.G., Teplow D.B., Phillips C.M., Richm J.P., Fao E.F.,
Hildebrand U.G., Homberg U., Kammer A.E., Caiding I., Griffin P.S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ...
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                                                                                                                                                                                                                                                                                                                     SIMILARITY: BELCAGS TO THE FARP (FMREAVIDE MELATED PERTIDES PAMILY).
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MOD, RES 1 PYRROLIDONE CARROCHE CHECK 10
MOD PES 10 10 AVIDACION
SEQUENCE 10 AA, 1247 MM, DIGES229D/RIPOLI CP 14,
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21 Cil. 1986 (Rel. 0), Created;
22 Cil. 1986 (Rel. 0), Last sequence update;
23 Cil. 1986 (Rel. 0), Last sequence update;
24 SEP 2003 (Rel. 02), Last annotation update;
25 SEP 2003 (Rel. 02), Contata, Cranata, Vettebrate;
26 Mammalay, Elibera, Primates; Cranata, Vettebrate;
27 Mammalay, Elibera, Primates; Catanthino; Brincip.
28 McBl_Tax[10.9486,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 10 GASTRIC GALCE CARCLE . 10 AA; 1004 MW; CPEECSABOLC (9.74)
                             FMSFaride like neuropeptide.
Manduca sexta (Tobacco hawkmoth) (Tobacco hornworm)
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FEB-1994 (Rel. 28, Last sequence update)
FEB-2003 (Rel. 41, Last annotation update)
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MIM, 137220; MIM, 137220; Sologetion; NAS.
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MEDLINE=75150968; PubMed=5538385;
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27.3%;

Query Match Best Lonal Similarity

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PIR; A43377, A43377.

MOD RES MOD RES SECTIENCE

Hunt D. F. ;

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TISSUE-Skin secretion;
MEDLINE=85127560; Pubmed-3838283;
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Best Local Similarity Tolocol
Shes 2) Conservative
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Matches 2; Conservative
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P08946;
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- SURCELLUIAR LOCATION Secreted.
- TISSUE SPECTERITY: Skin.
- SIMILARITY: FELONGS TO THE BCMBESIN-NECE, MERTIN E BANACEAL IN FAMILY.
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AND STANDARD, PRI, 9 AA

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The ERB-1994 (Rel. 28, Last Sequence update)

DT 15 SEP-1994 (Rel. 28, Last sequence update)

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BORDELS SATURATION Metaching Annual Neobathadia, Politically, Principle Bolden bed. freqt)

Ambiblia Battaching Annual Neobathadia, Politically, Principle Bolden Bolden
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                                                                                                                                                                                                                                                                                                                                                                                                                      : CATALYTIC ACTIVITY: CO + H(2)O + acceptor - COC. - 1 aduced
                                                                                                                                                                    Bacteria, Proteonacteria, Alphaproteopacteria, Philiskialik,
Bradyrhizobiacoae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25.5%; Score 14; DB 1; Length 4, 100.0%; Pred. No. 1.38+06; Catave 0; Mismatches 0; Indets
                 of FEB.1991 (Pel. 17, Created)
(01-FEB.1991 (Rel. 17, Last sequence update)
(02-FEB.2001 (Rel. 41, Last annotation update)
(20-Lon monexide debydrogenase large chain (EC. 12)
(PERYLOGENASE Subunit L) (CO-DH L) (Fragment)
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                                                                                                                                                Pseudomonas carboxydohydrogena
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Oxidoxeductase, Molybdenum.
NCN TER 4 4
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Heat School Similarity luc.
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PIR; SC7204; S07224.
InterPro; IPR00084's Bombesin.
PROSITE; PS00257; BOMBESIN; 1.
PROSITE; PS00257; BOMBESIN; 1.
Amphibian defense peptide; Bombesin; family; Amidation; Methylation, McD_RES
MCD_RES
2 2 PRROLIDONE CARBOXYLIC ACID.
MCD_RES
3 2 2 METHYLION (PARTIAL).
MCD_RES
9 AMIDATION.
SEQUENCE 9 AA; 110: MW; D7CCC18862CDC366 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Phyllomedusa rohdei (Robde's leaf frog)
Wararyota: Metazora; Chordera; Cramiata; Vertebrata; Buteleostomi;
Amphibia: Batrachia; Anura; Neobatrachia; Bufonoidea; Hylidae;
Phyllomedusinae; Phyllomedusa.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          .
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                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                       Score 14; DB 1; Length 9;
Pred. No. 1.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25.5%; Score 14; DB 1; Length 9; 100.0%; Pred. No. 1.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PIR, S07241, S07241.
Interiro, IPR0044; Sombesin.
Pfam, PF02044, Sombesin.
Pfam, PF02044, Sombesin.
Amplinian defense peptide, Schoesin family, Amidation,
Pyrrolidone carboxylic acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9 9 AMIDATION.
9 AM: 1090 MW: 4ECCCIE861ADC377 CRC64;
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NSK1 SARBU

NSK1 SARBU

TO NSK1 SARBU

STANDARD: PRT; 9 AA.

AC P41962;

DT 01 NOV-1995 (Rel. 2, Created)

DT 01-NOV-1995 (Rel. 3, Last sequence update)

DT 01-NOV-1995 (Rel. 3, Last sequence update)

DE No-Sulfakiiin I NEB-SK-13.

CS Sarcophaga bullata Johy flesn flyk (Neobellike)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-NOV-1988 (Rel. 09, Created)
01-FEE-1994 (Rel. 28, Last sequence update)
15-5EP-2003 (Rel. 42, Last annotation update)
Rhode:-licotin
                                                                                                                                                                                                                         05.5%; Scor.
00.0%; Pred. No. 4..
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us-09-914-088-4.closed.rsp

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RESULT 15
FARP_LOCM1
ID FARP_LOCM1
AC P38553;
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The mopeptidase N as a receptor for Paullus thirmnessis Crylho
Thirm from Helicoverpa arrigera.

Submitted (MAR-1359) to the SWISS PROF data has
C -- CATALYTY ACTS AS A RECEPTOR BY BITHERITY ATTS ATTS AND ACTS AS A RECEPTOR BY BITHERITY ATTS ATTS AND ACTS AS A RECEPTOR BY BITHERITY ATTS ATTS AND ACTS AS A RECEPTOR BY BITHERITY ATTS ATTS AND ACTS AS A RECEPTOR BY BITHERITY AND ACTS AND ACTS
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Bukirychu, Metazda, Arthropoda, Hexapoda, Insecta, Prerygotu,
Neoptera, Endopterygota, Diptera, Brachycera, Muscomorpha, Cestroidea,
Sarrophagidae, Sarcophaga,
NCBI, TaxIb=7185,
                                                                                                                                      MEDGINE=5308 4111, PubMed=1360367, Pickaly A., Schools J., Proost P., van Damme J., de Bool A., Schools J., Proost P., van Damme J., de Bool A., Schools J., Proost P., van Damme J., de Boold J., neobellaria bullar a "Isonian Physical August A., north Prochem, Physical 103C115 142(109.).

- FUNCTION: WYCTROPIC PEPTICE
- STMIARTTY: PELONS TO THE GASTRIN/CHOOLETY/FULKING FORMIT.

PROSITE: PSGC259, GASTRIN, 13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               30 MAY 2000 (Rel. 39, Last sequence update)
30-MAY 2000 (Rel. 39, Last sequence update)
28-F55 2001 (Rel. 41, Last annotation update)
Annopeptidase N (BC 3, 41, Last annotation update)
Helicoverpa almigera (Cotton bollworm).
Helicoverpa almigera (Cotton bollworm).
Necyptera, Endopterygota, Lepidoptera, Glossata, Dirysta, Nottonidea,
Necyptera, Endopterygota, Lepidoptera, Glossata, Dirysta, Nottonidea,
Net (Laxio 2908).
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Pred, No. 5.8e+3.1
[Tributes 2, [L.M.]s
                                                                                                                                                                                                                                                                                                                                                                                                     Score 14; DB 1; Length 4; Pred. No. 1.38-65; C. 100-15
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                                                                                                                                                                                                                                                                                                                                          4 4 SULFATION (POTENTIAL)
9 9 AMIDATION (POTENTIAL)
9 AA, 1187 MM, 880AG691E8685AAA CRC64)
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                                                                                                                                                                                                                                                                                                                       Neuropeptido, Amidation, Sulfation.
MOD RES 4 4 SULFAT
MOD RES 9 9 AMIDAT
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100.0%; Pre/
0; 3
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es 2: Conservative
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TISSJE=Midgut,
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#6 - - 86
- - - - 21
                                                                                                     SECTENTE.
TISSUE Head,
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P81731;
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SEQUENCE
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Best Local S
Matches 2
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SEQUENCE
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    COOCARAARRA COOCO
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SPECIES-LUMIGRATORIS, TISSUE-FRAIR;
MEDLINE-33124410; PubMed=768752;
MEDLINE-33124410; PubMed=768752;
de Loot A.,
Teclarion, identification, and synthesis of POVDHFERFamide
(Schistof-ERFamide) in Locusta migratoria and its association with the male accessory glands, the salivary glands, the heart, and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SPECIES.S.gregaria, TISSUE=Thoracic nervous system;
MEDGINE_8924643; PubMed=2719702;
Robb S., FecK-an i.C., Evans P.E.;
"Isolation, primary structure and bicactivity of schistofirf-amide, a
FMRE-amide-like neuropeptide from the locust, Schistocerca
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       gregatia.";
Biochem. Biophys. Res. Cormun. 160:850-856(1989).
Finchem. Biophys. Res. Cormun. 160:850-856(1989).
FUNCTION: VISCLE INHIBITING AGENT, INVOLVED IN THE NEURAL CONTROL.
OF THE VISCERAL VISCLES OF THE HEART, ACCESSORY GLANDS AND CVIDUCT. NAY BE INVOLVED IN THE REGIMATION OF SALIVA SECRETION.
-: TISSUE SPECIFICITY: FOUND IN AXONS OF THE MALE ACCESSORY GLANDS,
THE SALIVARY SLANDS, THE HEART, AND THE OVIDUCT.
-: SIMILARITY: BELONGS TO THE PARP (FMRFAMIDE RELATED PEPTIDE)
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                                                                                                            C1-CCT 1994 (Rel. 30, Created)
C1 OCT-1994 (Rel. 30, Last sequence update)
C2 OCT-1994 (Rel. 39, Last annotation update)
Schistopic (Rel. 39, Last annotation update)
Schistopic (Remaide (PND/HELR/emide) (Cardioexcitatory neuropeptide).
Locusta migratoria (Migratory locust), and
Schistocerca gregatia (Desert locust).
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D3C51729D2C1BAB2 CRC64;
10 AA
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MOD RES 10 10
SEQUENCE 10 AA; 1244 MW;
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2, Conservative
STANDARD;
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Best Local S
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Q51549 pseudomonas
Q44410 escherichia
Q14277 homo sapien
C88979 mus musculu
Q9779 heliocbacre
Q910w2 schizophyll
Q81245 charophyll
Q81245 charophyll
Q95rb1 eulemur ful
Q95rb2 eulemur ful
Q95rb2 eulemur ful
Q95rb3 siene pent
Q95rb3 siene pent
Q95936 beta vulgar
Q98936 beta vulgar
Q98918 mus musculu
Q88936 mus musculu
Q88918 mus musculu
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Q36898 nicotiana p
Q9erd2 mus musculu
Q8cj03 mus musculu
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Q45615 bacillus su
Q91517 clostridium
P83158 anabaena sp
Q9hcq0 homo sapien
        Ogtu33 canis famil
P81899 prunus dulc
Ogpry8 triakis scy
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01-JUN-2000 (TrEMBLEE). 14, Last sequence update)
01-JUN-2000 (TrEMBLEE). 14, Last sequence update)
01-JUN-2000 (TrEMBLEE). 14, Last annotation update)
10 kDa cell wall professor (Common tobacco).
Nicotiana tabacum (Common tobacco).
Sireptophyta, Pagical ophyta, Streptophyta, Embryophyta, Tracheophyta, Spernatophyta, Core eudicots; Asteridae; lamiids; Solanales; Solanaceae; Nicotiana.
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Ries K.A., Bonham V.A., Mitchell B.P., Robortson D., Slabas A.R.,
Wojtaszek P., Bolwell G.P.,
"Proteomic study of secondary cell wall proteins from transformed
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O9TU33
P81899
O9PRY8
Q51349
Q47410
Q14277
O08979
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0947W2
0947W3
0957WB1
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O9HCC0
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Q36896
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75.0%;
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Best Local Similarity
Matches 3; Conserv
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                                   GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                                                                                       MEDINE=88118912; PubMed+2828613;
Hahn V.S., Hahn Y.S., Rice C.M., Lee E., Dalgarno L., Strauss E.G.,
Strauss J.H.;
"Conserved elements in the 3' untranslated region of flavivirus RNAs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Fulica leucoptera.
Eukaryota, Metazoa, Chordata, Cramiata, Vertebrata, Euteleostomi,
Erchosauria: Aves, Neognathae, Gruiformes, Rallidae, Fulica.
NCBI_TaxID=156758,
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"A Bacillus subtilis morphogene cluster that includes spovE homologous to the mid region of Escherichia coli.";
Biochimie 74:735 748(1992).
RCN_TER BIOCHIMIE SERVICE COLORDO CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
Shapiro L.H., Dumoacher J.P.,
"Adenylate kinase introm S: a new nuclear locus for avian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               30.9%; Score 17, BH 12; Length 9, 60.0%; Fred. No. 8.3e+05; trive 0; Mismatches 2; Indels trive
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Bacteria; Firmicutes; Bacillales; Bacillaceae; Bacillus.
NCBI TaxID=1423;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01.MAY 2000 (TiEMBirel. 13, Created)
01.MAY-2000 (TrEMBirel. 13, Last sequence update)
01.MAY-2000 (TrEMBirel. 13, Last annotation update)
Stage V sportiation protein E [Fragment].
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9 AA; 1059 NW; PE36D40AAB05A2C1 CRC64;
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01-DEC-2001 (TrEMBLEH) 19, Created)
01-DEC-2001 (TrEMBLEH) 19, Last sequence update)
01-DEC-2001 (TrEMBLEH) 19, Last annotation update)
Adenylate kinase (Fragment).
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C. Mol. Biol. 198:33-41(1987);
EMBL: M35172; AA466627.1;
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Best Local Similarity
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    NCBI TaxID-11079,
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"HIV-1 subtype C molecular poylogeny internance service in ANIS various design."

"EMBL: APR44177, ANIS4766.1; -- SEQUENE I. C. A. T. C. A. 
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01-NOV 1996 (TrEMSIFE). 01, Created:
01-NOV 1996 (TrEMSIFE). 19, Last sequency update
01-NOV 1996 (TrEMSIFE). 19, Last sincitation pate
01-NOV 1996 (TrEMSIFE). 19, Last sincitation pate
Mypochitical 11: KDa protein (Fragment).
Murray vallay encephalitis virus.
Viruses, ssRNA posture strand viruses, no (UA stare, Florinic de,
                                                                                                                                                                                                              Escherichia coli 0157:H7.
Buoteria, Proteobacteria, Gammaproteobarteria, Enter Lacteria.es.
Enterohacteriacese, Escherichia.
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Hatano S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "POR assay using primers amplify the CNA region spacific to
Escheriona coll 0157:87."
Submitted (MAY 2011) to the EMBLOGOBECK/TDSJ ditableses
EMPL; ABC61018; 5AB4719011; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       32.7%; Score 18; DB 2; Lebath 10: 42.9%; Pred, No. 6.8e+03; ative 2; Mishatobes 2; Indels ative
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                                    (Trembliel, 19, Created)
(Trembliel, 19, Last sequence update)
(Trembliel, 19, Last annotation update)
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Rest Local Similarity 42.75
Rest Local 3, Conservative
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Pest Local Similarity 80.0
Materies 4, Conservative
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                                                                                                                                                                                                                                                                                                                                                   BI_TaxID 83334;
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MEDLINETAGES 5040; Pubmed=11742075; Falush D., Kraft C., Taylor N.S., Correa P., Fox J.G., Achtman M., Suerbaum S., Suerbaum S., "Recombination and mutation during long-term gastric colonization by Helicobacter pylori: Estimates of clock rates, recombination size and minima, age."; Proc. Natl. Acad. Sci. U.S.A. 98:15056-15061 (2001). Exal. Av418329; CAD11229-11; SEQUENCE 10 AA; 1329 MW; BIE802943332411 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sidba M.S., Heir E., Sorum H., Holick A.L.;
"Genotic linkage between quareinary amonium compound and beta-lactam
resistance in Staphylococca isolated from food.";
Submitted (MAR-2001) to the FMBL/GenBank/DOBJ databases.
EMRL: AY028779; AAK18453.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bacteria; Proteobauteria; Epsilonprofeobacteria; Campylobacterales;
Helicobacteraceae; Helicobacter
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60.0%; Pred. No. 1.66+04;
iive 1; Mismatches 1; Indels
                      29.1%; Score 16; DB 4; Length 9; 42.9%; Pred. No. 8.3e.05; 3; Indels ative 1; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                             01-MAR-2002 (TrEMBLrel. 2C, Created)
01-MAR-2002 (TrEMBLrel. 2C, Last sequence update)
01-MAR-2002 (TrEMBLrel. 2C, Last annotation update)
Urease accessory protein.
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01-DBC 2001 (TrEMBLEE, 19, Created)
01-DBC-2001 (TrEMBLEE, 19, Last sequence update)
01 DEC-2001 (TrEMBLEE, 19, Last annotation update)
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SEQUENCE 8 AA; 930 MW; 4E3325H05AA44720 CRC64;
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Bacteria, Firmichies, Bacillales, Staphylococcus.
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                      Query Match
Best Local Similarity 42.9
Matches 3: Conservative
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Matches 3, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NCBI_TaxID=210;
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Q93SR0
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QBVN65
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KANG B.S., Park Y. C., Jung H.M., Jun D.Y., Hah T.L., Kir Y.H.;

KANG B.S., Park Y. C., Jung H.M., Jun D.Y., Hah T.L., Kir Y.H.;

"Characterization of TPA-responsive genes in USYS cells ising ordered differential display PCR.";

Submitted dULL-2001) to the EXBL/GenBack/EDBS: databases.

EMBL, AALC2172.1;

NCN TES

SECUENCE 9 AA, 991 MM; SCDDAAA651AB13 PF264;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pranken C., Haase G., Brandt C., Weber-Beynemann J., Martin S., Larrier C., Podbielski A., Lutticken R., Spellerberi H.; Hussier C., Podbielski A., Lutticken R., Spellerberi H.; Hussier and host specificity of beta-baymolytic scpe and lmb. "the role of a putative composite transposen containing scp8 and lmb.", Le 1925-935:2001).

Mol. Microbiol. 41:925-935:2001).

EMBL. AR327852, AAL12733.1; -. .
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Mammalia, Eutheria, Primates, Catairbini, Reminiado, 18400
                                                                                                                                                               29.1%; Score 16; DB 11; tength 6; 60.0%; Pred; No. 8.36400; attive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Strepticoccus agalactiae.
Bacteria, Pirmicutes, Lacrobacillales, Streptoccaerac,
Strepticoccus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-05C-2001 (TrEMBirel, 19, Created)
01-05C-2001 (TrEMBirel, 19, Last sequence update)
01-0EC-2001 (TrEMBirel, 19, Last annotation update)
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01-DEC 2001 (TYEMSLYEL 19, Created)
01-DEC 2001 (TYEMSLYEL 19, Last sequence update)
01-DEC 2001 (TYEMSLYEL 19, Last annotation updater
Reptin's protein (Fragment).
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8 8
8 AA, 994 MW, 96333F19CB1B1866 (RC64;
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MEDLINE=21424698; PubMed=11532154;
Auk 11(1248-255(2001))
EMBL: AF307898; AAK43537.1; -.
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Best Local Similarity (60.0%
Best Local Similarity
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SCPB,
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SEQUENCE
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                                                                      Gaps
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Rattus
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MEDLINE=96342418, PubMed=8750786;
Takemira M., Yamauchi K., Yamarodani A.,
Takemira M., Yamauchi K., Yamarodani A.,
Structural analysis of histamine N methyltransferase gene.",
Methods Find. Exp. Clin. Pharmacol. 17:1-4(1995).
EMBL; 592579; AAN86745.1;
Tiransferase, Nethyltransferase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27.3%; Score 15; DB 11; Length 8; 75.0%; Pred. No. 8.3e+05; rive 1: Mismatches 0; Indels
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                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Submitted (FEB-1996) to the EMBL/GenBank/DDBJ databases.
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C1-MAR-2003 (TYEMBLEEL 23, Created)
C1-MAR-2003 (TYEMBLEEL 23, Last sequence update)
C1 MAR-2003 (TYEMBLEEL 23, Last ennotation update)
Histamine N tele muthy[tidusfeidse.]Fragment]
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01 NOV-1996 (TrEMBLIEL, 01, Last sequence update)
10 DEC-2001 (TrEMBLIEL, 19, Last annotation update)
Histone H10 (Fragment).
Rattus norvegicus (Rat).
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Pred. No. 8.3e+05;
                                                                   0; Mismatches
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Best Local Similarity 66.7
Matches 2, Conservative
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nes 3, Conservative
                                   Best Local Similarity 60.0
Matches 3, Conservative
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MELLING-20165478; PubMed=10679249;
Did C.A. Law A. Tu R., Due T.F.;
"Identification of three alternative first exons introduction of three promoter of furnan PDESA gene.";
Ricchen: Brophys. Res. Commun. 266:596.6000,0000
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Penomic Structure and expression profile of Liviel, a 7TM generated by expressed in breast cancer cell lines. ')
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                                                                                  Greenwood J, Hewitt E, Lamint A, Massis S, VG, Van Medrelen MP, Vinals De Bassols YD,
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22-FEB 2000; 200668-0054696.
22 AUG 2000; 200068-0020707.
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The present invention relates to linkage methodology for use in the conjugation of compounds (e.g. peptides) to carrier vehicles

(e.g. racionolecules, polymeis, dendriments, proteins) to produce

(e.g. racionolecules, polymeis, dendriments, proteins) to produce

(biological and immunological constructs. The invention provides a

method for linking an epistope (e.g. a peptide) to a carrier (e.g. a

protein) for use in a pharmaceutical composition or a vaccine. The

invention describes peptides derived from or mimotopes of the

Chepsilon2, Cepsilon3 or Cepsilon3 regions of human immunoglobulin E

(19E) which are used to produce conjugated compounds. The compounds or

compositions of the invention are useful in the manufacture of a

medicament for the treatment of 19E mediated diseases. The invention

allows for controlled conjugation of a peptide epitope (antigen) to a

protein so a to form an immunogenic conjugate which may be able to

raise a protective antibody response in an animal or human patient.

Addiedia-Addiedia ispresent peptides derived from or mimotopes of

the Cepsilon2/Cepsilon3/Cepsilon4 region of human 19E.
                                                                                                                                                                                                                                                                         A linkage comprising an immunogenic conjugate useful treatment of 14E mediated discases
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conjudate for use in vaccine for treatment of allergy, comprises disulfide bridge cyclized peptide and immunogenic carrier.
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100.0%; Pred. No. 0.00087;

    Mismatches

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(ACAM-) ACAMBIS RES LID.
(SMIK ) SMITHKLINE BEECHAM BIOLOGICAUS.
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                                                                                                                                                                                                                                                                                                                                                                                                Example 4: Page 21: 48pp; English
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Best Local Similarity 100.
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further, to modify the composition of the epitopes enhances the immunogenicity. The possible pathological side effects caused by infectious agents or whole protein antigens, which might have their intrinsic biological activity, are alminated. AAG89363 to AAG89747 represent amino acid sequences used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes isolated propared (%) replicipes (%). Also described are: (%) a cytotoxic T lymphocyte (%), the isolated (%) continued (%) in vivo and binds to a complex of (%); (%) a peptide (%); (%) and a second epitope and has less than $0 continued among acids (%) a unit dose of a peptide with less than $0 contiguous among acids with 10% identity (%) the native peptide sequence of $5$, and a pharmaceutical octivient; (%) an isolated nucleic sequence of $5$, and a pharmaceutical octivient; (%) an isolated nucleic acid encoding (%) and ($) an isolated nucleic acid encoding (%) and ($) an isolated nucleic acid encoding (%) and (%) and (%) an isolated nucleic acid encoding (%). The above of the encoding (%) are useful for treating or preventing number responses. Unlike conventional epitopes, immunostypic estimates that may be present in whole antigens can be avoided with the user of the varione composition of (%). The ability to combine science after the varione
                                                         The present invention relates to conjugates suitable for use in vaccines, where the conjugate comprises a disalphide bridge oyelised peptide and an armonogenic carrier. The vaccines can be used in the treatment of allergies, the present sequence is a peptide immunogene desixed from human armonoglobulin E (19E) suitable to be cyclised and used in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Epitope based vaccines comprising 153 epitope biomer a specifical sequences, useful for treating and proventing factors. The proping peptides is useful as diagnostic agents and for evaluating influence response.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human, p33, turour suppressor, human leukocyte antigen, HTA, CTI, cytotoxic T lymphocyte; T cell, immune response, tumbut, cancery vaccine, epitope, cytostatic.
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                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.0%: Pred. No. 0.00687;
Matches 10, Conservative 0; Mismatches 0; Indels
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                        Claim 4% Page 9; 45pp; English.
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                                                                                                                                                                                                                                                                                                   : GHTFEDSTKK 13
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                                                                                                                                                                                10 AA;
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Keogh E.
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The present invention describes a method for monitoring 159P1H4 gene products in a biological sample from a patient who has or is suspected of having cancer. The method comprises determining the status of 158P1H4 gene products in a tissue sample from an individual, comparing the gratus to the status of 158P1H4 gene products in a normal sample, and identifying the presence of aberrant 158P1H4 gene products in the sample. 158P1H4 gene products in the sample. 158P1H4 genences have cycostairs activity and can be used in vaccine production. 158P1H4 polynucleotides may be used in monitoring genetic abnormalities. The 158P1H4 proteins may be used in monitoring genetic abnormalities. The 158P1H4 proteins may be used in assessing the status of 158P1H4 gene products in normal versus cancerous tissues and so elucidating the malignant phenoxype, in generating and characterising domain-specific antibodies, for identifying agents or callular factors cancer vaccines. Antibodies against 158P1H4 are useful in diagnostic and prognostic assays, in treating patients with cancer, in generating
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human, 18991H4; chromosome 8q223q23, 188P1F4; chromosome 8q23; cancer; bladder cancer; immune response; cytotoxic T lymphocyte; CTL; HLA; human leukocyte antigen; helper T lymphocyte; HTL.
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                                                                      Score 28; DB 22; Length 8;
Pred. No. 9.3e+05;
0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                               ABB94507 standard; Peptide: 9 AA
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                                                                      50.9%;
83.3%;
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                                                                                                                Conservative
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                                                                                           Local Similarity
tes 5; Conserv
present invention
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us-09-914-088-4.closed.rag

cancer vaccines. Antibodies against 158P1H4 are useful in diagnostic

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cytotoxic Tlymphocyte (CTL) or helper Tlymphocyte (HTL) responses, and as immunological reagents for detecting 18981H4-expressing relis. The aniibodies are particularly useful in bladder cancer diagnostic assays, and imaging methodologies. The 188PH4 gene has been progressic concrosome 8q22-q23, and the 188PH4 gene has been the present invention has been located to chromosome 6q2x, ABLSG420 to ABLSG429 and ABB94468 to ABB95188 represent sequences may in the
                                                                                                                                                                                                 exemplification of the present invention.
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Matches
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UTL epitope HLA peptide SEQ ID NO.212 A8894683 standard; Peptide; 9 AA 19 JUN 2002 (first entry) ABB946884 ABB94683

Human, 159P1H4, chromosome 8q226q2), 158P1F4, chromosome 8q2), cancer, bladder cancer, immune response, cytotoxic T lymphocyte, (Tb, HiA) human leukocyte antigen, helper T lymphocyte, HTb.

Satisfield

Synthetic.

WOZOCELESSB AL

28-FEB 2002

22-AUG-2001; 2001MC-US26411.

22 AUG 2000, 2000US-227098P. 10 AFR-2001, 2001US-282739P.

TAGEN / AGENSYS INC

Rain other Ab. Jakebovits A: Challita End PM. Hubert RS. Faris M.

WPI; 2502-269357/31

char teat by this Monitoring 158P1H4 gene products in high-graf sample, four partent with as suspected of having cancer, useful for treating cancer, comprises identifying presence of abeliant 158P1H4 year products in biological sample

Claim 64; Page 149; 209pp; English.

The present invention describes a method for monitoring 158PH4 gene of induces in a biological sample from a patient who has or is suspected to having cancer. The method comprises determines in status of 158PH4 gene products in a tissue sample from an individual, comparing the status of 158PH4 gene products in a normal sample, and dentifying the presence of aberrant 158PH4 gene products in the sample, production. 158PH4 sequences have cytostatic activity and can be used in vaccine production. 158PH4 gene products may be used in assessing the status abnormalities. The 158PH4 proteins may be used in assessing the status elicibilities. The 158PH4 proteins may be used in assessing the status delicibilities in the infinal versus cancerous tissues and so elucidating the ralignant phenotype, if generating and characterising domain specific antibodies, for identifying agents or cellular factors that bind to 158PH4 or its particular domain, and for generating

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention describes a method for monitoring 158P;H4 gene products in a biological sample from a patient who has or is suspected of having cancer. The method comprises determining the status of 158P;H4 gene products in a tissue sample from an individual, comparing the status to the status of 158P;H4 gene products in a normal sample, and identifying the presence of abertant 158P;H4 gene products in the sample. 158P;H4 sequences have cytostatic activity and can be used in vaccine production. 158P;H4 polynucleotides may be used in monitoring genetic about mitties. The 158P;H4 proteins may be used in assessing the status of 158P;H4 gene products in normal versus cancerous lissues and so elucidating the malignant phenotype, in generating and characterising
             and prognostic assays, in treating patients with cancer, in generating cytocoxic I lymphocyte (TL) or helper I lymphocyte (HTL) responses, and as a menunoidaical reagents for decering 188PH4-expressing cells. The anibodies are particularly useful in bladder cancer diagnostic prognostic assays, and inaging methodologies. The 158PH4 gene has been located to chromosome 8q22-q23, and the 158PE4 gene also described in the present invention has been located to chromosome 8q22, and the present sequences used in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Monitoring 158PiH4 gene products in biological sample from patient who has or is suspected of having cancer, useful for treating cancer, comprises identifying presence of aberrant 158PiH4 gene products in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human, 158P1H4; chromosome 8q220q23, 156P1F4; chromosome 8q23; cancer, bladder cancer, immune response; cytotoxic Tlymphocyte; CTL; HLA; human leukocyte antigen; helper Tlymphocyte; HTL.
                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                        Score 27, CB 23, Length 9, Pred, No. 9.3e+05, Msmatches 1, Indeis
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Faris M, Ge W, Jakobovits A)
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55.6%;
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Best Local Similarity 55 cv.
Best Local 5; Conservative
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10-APR-2001; 2001US-282739P
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                                                         and prognostic assays, in treating patients with cancer, in generating exponents. Tymphocyte (CTL) or helper T lymphocyte (HTL, responses, and as ammunological reagents for detecting 158PlH4 expressing cells. The antibodies are particularly useful in bladder cancer diagnostic and prognostic assays, and imaging methodologies. The 158PlH4 gene has been located to chromosome 8q22-q23, and the 158PlH4 gene has been located to chromosome 8q22-q23, and the present invention has been located to chromosome 8q23, A5L56420 to ABL5642, and ABB94468 to ABB95188 represent equences used in the
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bladder cancer; immune response; cytotoxic T lymphocyte; CTL, HLA;
human leukocyte antigen; belper T lymphocyte; HTL.
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domain specific antibodies, for identifying agents or cellular factor
that bind to 158PIH4 or its particular domain, and for generating
cancer vaccines. Antibodies against 158PIH4 are useful in diagnostic
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                                                                                                                                                                                                                                exemplification of the present invention.
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Jakobovits A;
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10-APR 2001, 2001US-282739P.
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Best Local Similarity
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Faris M, Ge W,
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                                                                                                                                                                                                                                                                        Sequence
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of 158P1H4 gene products in normal versus cancerous tissues and so elucidating the malignant phenotype, in generating and characterising domains specific antibodies, for identifying agents or cellular factors that bind to 158P1H4 or its particular domain, and for generating cancer vaccines. Antibodies against 158P1H4 are useful in diagnostic and prognostic assays, in tracting patients with cancer, in generating cytoxoxic 7 lymphocyte (CTL) or helper 7 lymphocyte (HTL) responses, and as immunological reagents for detecting 158P1H4 expressing cells. The antibodies are particularly useful in bladder cancer diagnostic and prognostic assays, and imaging methodologisms. The 158P1H4 gene has been jocated to chromosome 8422-423, and the 158P1F4 gene also described in the present invention has been located to chromosome 8424. ABL50400 to ABL50429 and ABB94468 to ABH59188 represent sequences used in the
                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Insulin receptor substrate-1, IRS 1, antibody, proteolytic cleavage,
1D-SDS PAGE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The sequences given in AAR27983-8000 and AAR28044 are fragments from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 insulin receptor substrate-i (IRS-1). These fragments were used to determine the sequence of IRS-1 and to distinguish it from proteins which are co-puried with it. Antibodies were raised against the IRS-1 proteins and were used to remove them from the reaction media. These peptides were formed by proteolytic cleavage of proteins (Updated by 12-SDS PAGE to be approx. 185 kD. (Updated on 25-MAR 208) to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Purified nucleic acid encoding Insulin Receptor Substrate - used to prepare IRS-1, for diagnosis and treatment of insulin related diseases and abnormal cellular proliferation
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C
                                                                                                                                                                                                                                                                                                                    Score 27; DB 23; Length 10;
Pred. No. 1.5e+02;
3; Mismatches 1; Indels
                                                                                                                                                                                                                                                 exemplification of the present invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAR27999 standard; peptide; 8 AA.
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(first entry)
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Matches 5; Conservative
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                                                                                                                                                                                                                                                                                   10 AA;
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17 MAR-1993
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ABP46948 standard; peptide; 9

ABP46948

(first entry)

19-AUG 2002

AHP46348;

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Saccharomyces cerevisiae, complementary peptide, peptide identification,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 by analysis of protein and nucleotide sequence databases from higher enkaryotic genomes, excluding human and plants. The specific complementary peptides interact with their relevant target proteins encoded in the enkaryore genome. The peptides may be used as leagung and diags for drug discovery and as lead ingands for drug design and duvelopment. The present sequence is a complementary peptide from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to the identification of complementary peptides
                              Gaps
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50.0%, Pred. No. 2,3e+02,
tive 1, Mismatches 4, Indels
                           Indels
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    Pred. No. 9.3e+05;
0; Mismatches 2;
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  71.48;
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                           5; Conservative
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es 5, Conservative
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    Best Local Similarity
Matches 5: Conserv
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                                                                     : CHIFFDS
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Matches
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AAG86567
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The annihing the conflow erythemstosus, the man and antihits of immunodeficiency syndrome (ADS). After a conflow and the antitodisk desired in the method of the antibodisk desired in the method.
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Score 26, DB 13; Length 8;
Pred. No. 9.3e+35;
2; Mismatches I; Indels
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HUMAN GENIME SCI INC. H CAMBRIDGE ANTIBODY TECHNILLOW

HUMA CAMB

2000US 212210P. 2000US-240816P. 2001US-276248P. 2001US-277379P. 2001US-293499P.

19 OCT 2006) 16 MAR 2001; 21 MAR 2001; 28 MAY-1001;

16-JUN-2000;

15-JUN-2001, 2001WO US19110

W0200201641 A:

10 CAN 2002

Homo sapiens

Claim 17 Page 5086; 3148pp; English.

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Onery Matich

WF1; 2002 114799/15.

Ruben BM,

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19-JUN-2001; 2001WO-US19539
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93US - 9627740
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Matches 4, Conservative
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| HTPSD 5
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25 - MAR - 2003
31 - AUG - 1994
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05-MAR-1993;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes a nethod for monitoring 198964 game products in a biological sample from a patient who has on is supperted of broducts in a tissue sample from an individual, comparing the gene products in a tissue sample from an individual, comparing the status of 1589144 gene products in a tissue sample from an individual, comparing the sample. The status of 1589144 gene products in a normal sample, and 1589144 sequences have cytostatic activity and tall, used in vaccing production. 1589144 proteins may be used in assessing the status of 1589144 proteins may be used in assessing the status of 1589144 proteins may be used in assessing the status of 1589144 proteins may be used in assessing the status of 1589144 proteins may be used in assessing the status of 1589144 proteins may be used in assessing the status of 1589144 proteins may be used in assessing the status of 1589144 proteins may be used in assessing the status of 1589144 proteins and contrained to 1587474 or its particular domain, and contraining the majoration of 1589144 in the tissue of 1589144 in the particular patients with community and contraining products in the present invention has been focused in the present invention has been focused to manage the status of the present invention.
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                                                                                                                                                                                                                                                                                                                                                                                              Monitoring 158PlH4 gene products in biological sample trop prinent who has or is suspected of having cancer, useful for theating cancer, comprises identifying presence of abeltant 158PlH4 grop products in
bladder cancer, immune response, cytotoxic T lymphocyle, CTL, HLA, human leukocyte antigen, helper T lymphocyte, HTL.
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5; Conservative 2; Mismatones 1; 193-10.
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Faris M, Ge W, Jakobovits A,
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10-APR-2001, 2001US-282739P.
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Best Local Similarity
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                 MPI; 1994-065403/08
          Grey HM,
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Staendker L;
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Sequence
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                                                                                                                                                                                                                                                                   The sequences given in AAR47304-13 and AAR49401 44 are framing pour. Peptides which have a HiA-A3.2, HIA-A1 or a HiA-A1 indicated the invention of indicate peptides are capable of binding selected MRC relections and infection and cancer, eg. preside canner, lighthough on the indicate of the invention of the invention of the invention and infection and cancer, eg. preside canner, lighthough the peptides of ABS. They can also be used to produce unitodicated as dividiostic or therapounce agents. The peptides can also he
                                                                                                                                                nion specifically binds selected MFT allete one-disconnected promote response for treatment of prevention of pirit
                                                                                                                                                Peptide which specifically binds selected MET allele
                                                                                                                                                                                                                                                                                                                                                                                                                                                    used as diagnostic agents. (Updated on 25-MAR-2003 to correct PN field.) (Updated on 14-MAY-2003 to correct PS field.)
                                                             Sette A
                                                                                                                                                                                           infection or cancer, or for diagnosis
                                                                                                                                                                                                                                      Example 8; Page 51; 150pp; English
                                                             Kube RT,
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Query Match Best Local Similarity 57.1%; Pred. No. 9.3e+05; Matches 4; Conservative 2; Mismatches 1; Indula 4 FEDSTKK 10

AAY19502 standard, peptide: 9 AA

Insulin-like growth factor binding protein fragment

insular like grows factor binding professional PPD, company for the same antipoliferative, antipoliferative, antipoliferative, antipoliferative, antipoliferative, antipoliferative and antipoliferative antipolifera

970E-1057250

97DE-1057250

Chendusf M. Mostafavi E,

An insuin-like growth factor binding protein

Claim 10; Page 19, 26pp; Serman

protein (188) constructed using the formula R1-Cri PNC-X2-QC-X3-CWCV X4-C-R2 where cyclic, glycosylated, phosphorylated, acetylated, amidated, sulphated derivatives and fragments of these with the physiological amidated derivatives and fragments of these with the physiological amility of 18P are included and 31NH2 - an amino acid or peptide with a sequence of up to 4: amino acid: tesidues, X1 = a peptide consisting of 24-31 amino acids, X2 = a peptide consisting of 24-31 amino acids, X2 = a peptide consisting of 18-24 amino acids, R2CCC3 = CONH2 or a peptide with up to 12 amino acids. The products of the invention have imminoprotective, antiproliferative, antibodies, inhibitors and cytostatic activity. The 18P peptides, complexes, antibodies, inhibitors and aminoacide, osteoporosis, diabetes, amylamatory and amissense) micleic acids are all useful in the treatment of miscle loss/shrinkage/wastage, osteoporosis, diabetes, inflamatory processes, cancer, inflammatory and neoplastic diseases, growth discuibances, diseases of the bone apparatus and wound or bone heating. The nucleic acids and artisense apparatus and wound or bone heating. The nucleic acids and artisense peptides, etc., can be used in diagnosis of functional deficiencies in hones, muscles, nervous systems, lymph glands, stomach/intestinal tracts, inflammatory and neoplastic processes and also as a marker for cancer. This sequence represents a specific claimed example of a peptide which can occupy the R2 position of the IBP of the oligonucleotides can be used in somatic or non-somatic gene therapy. This invention describes a novel insulin-like growth factor binding

9 AA;

Sabs 0 45.5%; Score 25; DB 20; Length 9; 66.7%; Pred. No. 9.3e+05; tive 1; M.smatches 1; Indels Local Similarity 66.7 tes 4, Conservative Rest Lock Matches

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Search completed: November 5, 2003, 17:32:30 : 34.3333 secs Job time

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18, Appl
1981, Ap
7, Appl
27, Appl
180, Appl
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| con2 6/prodata/2/pubpaa/USO'_PUBCCMB.Fep:*
| con2 6/prodata/2/pubpaa/USO6_NSW_PUB.Fep:*
| con2 6/prodata/2/pubpaa/USO6_PUBCCMB.Fep:*
| con2 6/prodata/2/pubpaa/USO8_PUBCCMB.Fep:*
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Copyright (c) 1993 - 2003 Compagen Ltd.
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US-09-572-404P 1931
US-10-268-501 7
US-10-190 082 (60
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                                                                                                                                                                                                                                                                                                                                                                                                             644079 seqs, 17174929% residues
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Maximum Match 100%
Listing first 45 summattes
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and 1s deri
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Maximum DB seq
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Perfect score:
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### SUMMARIES \$UMMARIES Query Query Aarch Length DB ID 10 12 US-10 082 014-075 49.1 10 12 US-09-915-384-36 47.3 9 11 US-09-884-76-78 45.5 7 10 US-09-884-76-78 45.5 7 10 US-09-984-76-78 8 equence 67. 45.5 7 10 US-09-884-76-78 8 equence 222.	ersa granded. Fi				Description		Sequence 275, App	Sequence 129, App	Sequence 36, Appl	Seguence 212, App	Seguence 306, App	Sequence 395, App	Seguence 2959, Ap	Sequence 67, Appl	Sequence 20, Appl	Sequence 222, App	
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ALLGNMENTS

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Sequence 275, Application US/10682014
Publication No. US20301958581
GENERAL INFORMATION:
TOTALE OF INVENTION: XMANDOGENIC HBC CHIMER PARTICLES STABILIZED WITH AN N TERMINAL CONTREPTANCE: ICC-130.0 4564/85.24
CURRENT APPLICATION NUMBER: US/10/062.014
CURRENT FILING DATE: 2002-02-22
PRIOR FAPLICATION NUMBER: 09930,915
PRIOR FALLING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 290
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 129, Application US/10172076
Publicantion No. US20030198645A:
CRNEAL INFORMATION:
APPLICANT: Priede, Mark
APPLICANT: Friede, Mark
TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR TITLE OF INVENTION: SHRONIC HEPATITIS
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                                                                                                                                                                                                                                                                        Patientin version 3.1
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TYPE: PRT
CORGANISM: Homo sapiens
US-10-082-014 275
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US-10-372-076-129
US-10-082-014-275
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SEQ ID NC 275
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PABLICANT S
US-09-935-384-306

| Sequence 306 | Application US/0935384 |
| Publication No. US2063016652641 |
| GENERAL INFORMATION: | APPLICANT: HUBERT, RENE |
| APPLICANT: HUBERT, RENE |
| APPLICANT: HUBERT, RENE |
| APPLICANT: FARIS, WARY |
| APPLICANT: FARIS, W
APPLICANT: GE, WANGMAO
APPLICANT: GE, WANGMAO
APPLICANT: JAKOBSOVITZ, AYA
TITLE OF INVENTION: VICEIC ACID AND CORRESPONDING PROTEIN NAMED 158P:144
TITLE OF INVENTION: VISEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
TITLE OF INVENTION: VISEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
TITLE OF INVENTION: VISEFUL IN THE TREATMENT AND DETECTION OF BLADDER AND
CURRENT APPLICATION NUMBER: VS/09/935, 184
PRIOR APPLICATION NUMBER: AS/09/935, 184
PRIOR APPLICATION NUMBER: AS/027, 098
PRIOR FILING DATE: 2001 08 22
NUMBER OF SEC ID NOS: 793
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Pred, No. 5,8e+65;
3; Mismatches 1; Indels
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55.0%
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APPLICANT: HUBERT, RENE
APPLICANT: RAITANO, ARTHUR
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Best Local Similarity 55.v
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SEQ 1D NO 212
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Best Local Similarity 55.6
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT ORGANISM: Homo sapiens US-09-935-384-212
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ORGANISM: Homo sapiens
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APPLICANT: HUBBET, RENE
APPLICANT: HUBBET, RENE
APPLICANT: HUBBET, RENE
APPLICANT: HUBBET, RENE
APPLICANT: RETISANCA BETANO
APPLICANT: ESVIN, ELANA
APPLICANT: ESVIN, ELANA
APPLICANT: LEVIN, ELANA
APPLICANT: GENERALS
APPLICANT: WARN
APPLICANT: OF WANGEN
APPLICANT: JAKOBOVITZ, ANA
TITLE OF INVENTION: OTHER CANCERS
FILLE REFERENCE: SIDS-2003-30
CURRENT APPLICATION NUMBER: 60/227,099
FRICA APPLICATION NUMBER: 60/227,099
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Best Local Stmilarity 100.0%; Pred: No. 0.0000;
Matches 10, Conservative 0; Mismarches 0: Indes
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FILE REFERENCE: 4564/87179
CURRENT APPLICATION NUMBER: US/10/372,076
CURRENT FILING DATE: 2033-02-21
FRIOR APPLICATION NUMBER: 10/380,293
FRIOR FILING DATE: 2002-02-31
FRIOR FILING DATE: 2002-02-22
NUMBER OF SEC ID NGS: 306
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 10
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Publication No. US2C330166526A1
GENERAL INFORMATION:
APPLICANT: CHALLITA-EID, PIA
APPLICANT: RAITANO, ARTHUR
APPLICANT: RAITANO, ARTHUR
APPLICANT: RAITANO, ARTHUR
APPLICANT: BATAN, DANIEL
APPLICANT: BEANA
APPLICANT: BEANA
APPLICANT: BEANA
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US 09 915-484-3b
Sequence 36, Application US/09335384
Publication No. US20033166526A;
GENERAL INFORMATION:
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Hest Local Similarity 55.6
Matches 5/ Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ) TYPE: PRT
) CRGANISM: Homo sapiens
US-09-035-384-36
                                                                                                                                                                                                                                                                                                                                                                                                                      / ORGANISM: Homo sapiens
08-10-372 076-129
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US-09-935-384-212
                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
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APPLICANT: AFAILM.
APPLICANT: BELNA
APPLICANT: BENIX
APPLICANT: BENIX
APPLICANT: BENIX
APPLICANT: BENIX
APPLICANT: GENIX
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APPLICANT: DAYX COEP,
APPLICANT: Ladea, Christopher J.
APPLICANT: Ladea, Christopher J.
APPLICANT: Ladea, Christopher J.
APPLICANT: Ladea, Christopher J.
CHRED OF INVENTION: NOVEL ENTERCKINASE CLEAVAGE SECJENCES
FILE REFERENCE: DYX-012.1 US, DYX-013.1 PCT
CURRENT APPLICATION NUMBER: US/09/884,767A
CURRENT FILING DATE: 2001 64.19
PRIOR ALING DATE: 2000 66.19
NUMBER OF SEC IO NOS: 217
SOFTWARE: PATENTION NOVES: 217
SOFTWARE: PATENTION NOVES: 217
SOFTWARE: PATENTION NOVES: 217
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 47.3%; Score 26; DB 12; Length 10; Best Local Similarity 62.5%; Pred. No. 1.7e+02; Matches 5; Conservative 2; Mismatches 1; Indels
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US-09-75-10A-222
US-09-75-10A-222
Pablication No USC030194399A1
GENERAL NEGRATION: AUGUNZA F.
AGPLICANT: AUGUNZA F.
AGPLICANT: ASTWOO, CAMES D.
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IS-09-884-767A-20
Sequence 20, Application US/09884767A
Publication No. US20022192789A:
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: FRT CRGANISM: Homo sapiens US-09-935-384 67
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| HTFSL 5
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FESSURE (1998) Application US/09880948
FESSURE (1998) Application US/09880948
FESSURE (1998) Application US/09880948
FESSURE (1998) Application (1998)
FUTURE OF INVESTICAL Antibodies that lemonosportioning Bays
FILE PREPRENE (1998)
FUTURE OF INVESTICAL NUMBER: US/09/860,048
FUTURE OF INVESTICAL NUMBER: US/09/860,048
FUTURE AFFLICATION NUMBER: 00/212,210
FRICE AFFLICATION NUMBER: 60/212,210
FRICE FILING DATE: 2000-06-15
FRICE FILING DATE: 2000-06-15
FRICE FILING DATE: 2001-03-16
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Publication No. US2020166526A1
ACREALITY
APPLICANT: CHALLITA-FID, PIA
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Rest Local Similarity 55.6
Matches 5, Conservative
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/ ORGANISM: Homo sapiens
US 09-935-184-395
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: CRGANISM: Homo sapiens
US-09-880-748-2359
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US-09 935-354 67
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SOFTWARE: ProtPatent version 1.0
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Best Local Similarity 44.4*
Trines 4; Conservativo
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Best Local Similarity 62.57
These 5, Conservative
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LOCATION: 10
                     SEQ ID NO 1981
LENGTH: 10
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LENGTH: 10
                                                              TYPE: PRT
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Fublication No. US20300897654
Fublication Useraniz, Roger J
APPLICANT: Bouldandar, Mohamad
APPLICANT: Bouldandar, Mohamad
APPLICANT: Duan, Ling Xun
APPLICANT: Duan, Ling Xun
TITLE OF INVENTION: CORPOSITIONS AND METHODS = 6 FF WILLY IN THE APPLICATION WURBER US/09/28,405
FULE SEFERENTE: 1999-03 30
FAREER APPLICATION WURBER: US 60/079,812
FAREER FILING DATE: 1998-03-30
KUYBER OF SEQ ID WS: 58
SUSTWARE: Parcentin Ver. 2.1
SEQ ID NO 18
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APPLICANT: SAMPSON, HUGH A.
APPLICANT: MCWHERTER CHARLES A.
TITLE OF INVESTIGATION PREPARATION OF DEALLERGEBIZED PROTEINS AND PSHYUTSINS FILE PERSENCE: 11899-0217 NUMBER: US/09/755,630A
CURRENT FILING DATE: 2001-01-05
PRICA PELICATION NUMBER: US 60/174,649
PRICA FILING DATE: 2000-01-05
NUMBER OF SEQ ID NGS: 293
SUSTEMBER: PLICHTIN VERSION 3.0
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Rost Cocal Similarity 50.0%; Pred. Mo. 2.66-62;
Matches 4; Conservative 3; Mismanches 1; Insels
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Fublication No. US26030078374A1
GENERAL INFORMATION
APPLICANT FLOREOM Ltd
TITLE OF ANVENTION: Complementary populds [117128-115]
File Reference Human patent
CHRENT APPLICATION UNMBER: US/09/512,4045
CHRENT FILID OFTE: 2000 05-17
NUMBER CF SEQ IE NOS: 4203
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ORGANISM: Attificial Sequence
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Best Local Similarity 66.7
Matches 4: Conservative
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US 09-572-4048-1981
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                                                                                                                                                                                                          SEC ID NO 222
LENGTH: 10
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CTHER INFORMATION: Sequence located in CMKLR1 OR DEZ at 328-337 and may interact with CTHER INFORMATION: Sequence 1962 in this patent.
US-09-572-4048-1981.
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APPLICANT: Low, AITHUR C.
APPLICANT: Low, AITHUR C.
APPLICANT: Ladnew, Christopher J.
APPLICANT: Ladnew, Robert C.
TITLE CF INVENTION: MOVEL ENTEROXINASE CLEAVAGE SEQUENCES
FILE REFRENCE: DXX-012.1 PCT
CURRENT APPLICATION NUMBER: US,09/894,767A
CURRENT PLING DATE: 200-06.19
PRIOR APPLICATION NUMBER: US 09/597,321
PRIOR APPLICATION NUMBER: US 09/597,321
PRIOR FILING DATE: 200-06.19
NUMBER CF SEC ID NOS: 217
SOFTWARE: Patentin version 3.:
SEQ 10 NOS: 27
                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 7, Application US/10268501
Publication No. US2030086924A1
GENERAL INPORMATION:
TITLE OF INVENTION: Treatment with Anti-Erbez Antibodies
FILE REFERENCE: P1467R2P1
CURRENT APPLICATION WUMBER: US/10/268,501
CURRENT FILING DATE: 2022:10 10
PRICR APPLICATION NUMBER: US 09/602.812
PRICR APPLICATION NUMBER: US 60/141.316
PRICR FILING DATE: 1999-56-25
PRICR FILING DATE: 1999-56-25
NUMBER OF SEQ 10 NCS: 11
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62.5%; Pred. Mo. 3.96+02;
tive 0; Mismatches 3; Indels
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44.4%; Pred. No. 3.96+02;
tive 1; Mismatches 4; Indels
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US-09-884-767A 27
Sequence 27, Application US/09884767A
Publication No. US2005192789A1
GENERAL INFORMATION:
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CREANISM, Artificial Sequence
| CREANISM, Artificial Sequence
| CONFERENCE | CONFERENCE | CONFERENCE | CONFERENCE |
| CONFERENCE | CONFERENCE | CONFERENCE | CONFERENCE |
| CONFERENCE | CONFERENCE | CONFERENCE | CONFERENCE |
| CONFERENCE | CONFERENCE | CONFERENCE | CONFERENCE |
| CONFERENCE | CONFERENCE
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Search completed; November 5, 2003, 17:46527 usb time : 11 secs

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JAPA
Jacober 22, Applianted and a sequence 8, Applianted and a sequence 12, Applianted 12, Appli
             Sequence 1757, Ap
Sequence 1905, Ap
Sequence 3739, Ap
Sequence 3740, Ap
                                                                                                                                      Sequence 2, Appli
Sequence 3740, Ap
Sequence 72, Appl
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER REACHBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC COMPA:
SOFTWARD APPLICATION NAMER: US/08/094.948A
FILING DATE: 21-5ULY 1993
REING APPLICATION NAMER: US 07/643.982
RICH APPLICATION NAMER: US 07/643.982
RILNS CATE: 18-JAN-1991
ATTORNEY/AGENT INFORMATION:
NAME: Myers, Louis (PLM)
REGISTRATION NUMBER: JDP-013DV
TELECCOMMUNICATION INFORMATION:
US.09-813-5428-1757
US.09-813-5428-1905
US.09-8197-5428-1905
US.09-197-859-3740
US.09-187-859-3740
US.09-819-285-2
US.08-42:-702A-12
US.08-42:-702A-12
US.08-42:-702A-12
US.08-42:-69A-12
US.08-42:-69A-12
US.08-42:-69A-12
US.08-42:-69A-12
US.08-42:-69A-12
US.08-42:-69A-12
US.08-42:-69SA-12
US.08-42:-69SA-12
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US.08-42:-69SA-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Kahn, C. Ronaid
APPLICANT: White, Morris F.
APPLICANT: Rotherey, Paul Louis
TITLE OF INVENTION: INSCLIN RECEPTOR SUBSTRATE
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E: Lahive & Cookfield
60 State Street, Suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 21, Application US/08094948A Patent No. 5621075
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFOREMATION FOR SEC IE NO. 21.
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 62.5
Fines 5; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 TFEDSTKK 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 September 21, Appl
September 21, Appl
September 46, Appl
September 46, Appl
September 84, Appl
September 84, Appl
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Sequence 23, Appl
Sequence 282, Appl
Sequence 1196, Ap
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Sequence 1905, Ap
Sequence 1905, Ap
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Sequence 51, Appl
Patent No. 5198347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 31, Appl
Sequence 51, Appl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                          ) Search time 12,333 Seronds (without alignments) 44,306 Million 741, updates/sec
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/cgn2_6/ptodata/1/ina/5B_COM8.pep:-
/cgn2_6/ptodata/1/ina/6A_COM8.pep:-
/cgn2_6/ptodata/1/ina/6A_COM8.pep:-
/cgn2_6/ptodata/1/ina/fe7TUS_COM6.pep:-
/cgn2_6/ptodata/1/ina/Pt7TUS_COM6.pep:-
                                 GenCore version 5.1.5
Copyright (c) 1993 - 2009 Compagen Ltd
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US. 08 1.59 5.05.
US. 08 1.59 5.05.
US. 08 1.59 5.05.
US. 08 1.69 1.04
US. 08 1.04 1.04
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US-09-187-859-1955
US-09-187-859-1955
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Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                 protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BICSUMA2
Gapop 10.0 , Gapext 0.5
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Match Length
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length: 10
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Maximum DB seq
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                                                                                                                                                                                                                                                                                                                                                                                        Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Total number
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                                                                                                                                                                                                                             Run on:
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No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1004, April cation US/18159190A
Patent No. 6637135
Patent No. 6637135
Patent No. 6637135
Patent No. 6637135
Papil CANT: Grey, Howard M. APPLICANT: Sette, Alessandro APPLICANT: Celis, Esteban
TITLE OF INVENTION: HiA Binding peptides and Their TITLE OF INVENTION: HiA Binding peptides and Their TITLE OF INVENTION: HiA Binding peptides and Their TITLE OF INVENTION: His Binding peptides and Their TITLE OF INVENTION: 1254
NUMBER OF SEQUENCES: 1254
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew Lip STREET: Two Embarcadero Center, Eighth Floor
                                                                                     OPERATING SYSTEM: DOS
SOFTWARE: FastSEC for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/159,319A
FILING DATE: 29-NOV 1993
CLASSISTICATION: 424
PRICK APPLICATION DATA: 405 07/926,666
FILING DATE: 07-AUG: 1992
APPLICATION NUMBER: US 08/027,746
FILING DATE: 05-MAR: 1993
APPLICATION NUMBER: US 08/103,396
FILING DATE: 06-AUG: 1993
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: US 08/103,396
FILING DATE: 06-AUG: 1993
ATTORNEY/AGENT INFORMATION:
RAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 019623 005030US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OPERATING SYSTEM: 305
SOFTWARE: FascSEC for Windows Version 2.0
SOFTWARE: FascSEC for Windows Version 2.0
CURRENT APPLICATION 30A:
FILING CATE: 29 NCV-1993
CLASSIFICATION: 424
PRIOR APPLICATION 14TA:
APPLICATION NUMBER: US 09/926,666
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compat.ble
COMPATION SYSTEM: DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 9411:3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: (415) 576-02
TELEPAX: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 5/...
Best Local 4/ Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ 15 NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SENGTH: 9 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4 FEDSTKK 10
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US-08 159 339A-1064
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Patent No 602735
GENERAL: INFORMATION:
APPLICANT: Grey, Howard M.
APPLICANT: Grey, Howard M.
APPLICANT: Cells, Esteban
TITTE OF INVENTION: HLA Binding peptices and Their
TITTE OF INVENTION: USES
                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
CPERATING SYSTEM: PC-DOS/MS-EGS
SCHWARE: Patentin Release #1.0, Version #1.15
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/USS6/0919
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSE: Townsend and Townsend and Chew Like STREET: Two Embarcadero Center, Eldinin Floor CITY San Francisco
                                                                                Sequence 11, Application PC/TUS9609319
GENERAL INFORMATION: C. Ronald
APELICANT: Kani, C. Ronald
APELICANT: Knite, Morris F.
APPLICANT: Rotherberg, Paul Louis
TILLE OF INVENTION: INSULIN RECEPTOR SCHETEATE
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Labive & Cockfield
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score Se, 16
Pred No. 102-
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BER BERNOW COCKET NUMBER: JOB-0130V TELECOMMUNICATION INFORMATION: TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                             ADDRESSE: Lahive & Cockfield
STREET: 60 State Street, Suite 510
CITY: Baston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELLEFAX: (6.17).227-5941
INFORMATION FOR SEQ ID NO: 21:
SEQUENTE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     47.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Maters
Best Local Similarity 62.5
Matches 5: Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGIH: 8 amino acids
TYPE: arino acid
STRANDECNESS: single
                                                                                                                                                                                                                                                                                                                              STATE: Massachusetts
CCUNTRY: U.S.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 TPEESPOK 8
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                                               RESULT 2
PCT US96-09419-21
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RESULT 6

US-09-281-455-18

i Sequence 18, Application US/05281495

i Patente 18, Application US/05281495

i Patente 18, Application US/05281495

i GENERAL INFORMATION:

APPLICANT: Domeratiz, Roger J

APPLICANT: Dean, Ling-Xun

ITILE OF INVENTION: COMPOSITIONS AND METHODS FOR PROVIDING A PROTEIN TO A

ITILE OF INVENTION: UNROLL ON UNBER: US/09/281,495

CURRENT FILING DATE: 1990-03-30

EARLIER FILING DATE: 1990-03-30

EARLIER FILING DATE: 1990-03-30

EARLIER FILING DATE: 1990-03-30

NUMBER OF SEQ ID NOS: S0

SOFTWARE: Patentin Ver: 2.1

SEQ ID NO: 18

LENGTH: 7
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APPLICANT: Tomoguk: NISHIMGTO
APPLICANT: Tomoguk: NISHIMGTO
APPLICANT: Hiroto CHAEN
APPLICANT: Hiroto CHAEN
APPLICANT: Toshio MIYAKE
APPLICANT: Toshi
                                                                                                                                                                                                                                                                                                                                                                                                                                          Saps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHUR INFORMATION: Description of Attiticial Sequence: Vpr-Specific COTHER INFORMATION: Polypophide Binding Region US 09-281-495 18
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                                                                                                                                                                                                                                                                                                                                                           Query Match 45.5%; Score 25; DB 3; Length 10; Best Local Similarity 57.1%; Prud. No. 91; Matches 4; Conservative 2; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 8, Application US/08966388
Patent No. 5965412
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: Artificial Sequence
                                          INFORMATION FOR SEQ 1D NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 10 amino acids TYPE: amino acid STRANDELNESS: single TOPOLOGY: linear MLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FURM
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HELDING
                                                                                                                                                                                                                                                                                          US-08-159 339A-84
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8
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Pred. No. 2 Ser0s;
Troches 1; Indees
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Rub6, Ralph T.
APPLICANT: Grey, Andreward M.
APPLICANT: Sette, Alessandro
APPLICANT: Cels. Setebar
TITLE OF INVENTION: His Binding peptides and Their
TITLE OF INVENTION: Uses
NUMBER OF SEQUENCES: 1254
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
ADRRESSED: Townsend and Townsend and Crew LLI STREET: Two Enhancedero Center, Esquib Filoso CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDITAL TYPE: DISKETCE
COMPUTER TENDABLE FORM:
MEDITAL TYPE: DISKETCE
COMPUTER TEND COMPATION
OPERATING SYSTEM: DOS
SOFTWARE: FARENCY for Windows Version 2.7
CURRATION NUMBER: US/08/159.330A
FILING DATE: 29-NOV-1993
CLASSICCATION: 424
PRICER APPLICATION DATA:
APPLICATION NUMBER: US/07/926,676
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Weber, Ellen Lauver
REGISTRATION NUMBER: 32,762
REPERBENCE/DOCKET NUMBER: 918623-00563JUS
TELECCHMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
                                                                                                                                                                                                                                                   32,762
ER: 018621-0050300S
FILING DATE: 07-AUG-1992
APPLICATION NUMBER: US 08/027,746
FILING DATE: 05-MAR-1993
APPLICATION NUMBER: US 08/103,796
FILING DATE: 06-AUG-1993
ATTORNEY/GENT INFORMATION:
NAME: Wober, Ellon Lauver
REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NIMBER: 018623:0050
TELECOMMING CATTON INFORMATION:
TELECOMMING CATTON INFORMATION:
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APPLICATION NUMBER: US 08/027,746
FILING DATE: 05-XAR-1993
APPLICATION NUMBER: US 08/103,495
FILING DATE: 06-AUG-1993
ATTORNEY AGAINT INPONMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            UMBER: US 07/926,676
07-AUG-1992
UMBER: US 08/027,746
05-MAR-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PESULT 5
US-08-159 339A-84
US-08-159 339A-84
S Squence 84, Application US/08159339A
Patent No. 6037135
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ouery Match
Best Local Similarity 71.4%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                       (415) 576 0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ 1D NO. SEQUENCE CHARACTERISTICS. LENGTH. 9 amino acids TYPE: amino acids STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ) TOPOLOGY: linear / MCLECULE TYPE: poptide US-08-159-339A-1064
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 TFEUSTK 9
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TELEX:
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E: BROWDY AND NEIMARK
419 Seventh Street, N.W., Stile 300
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CCMPUTER READABLE PORM:
MEDIUM TYPE: Floppy disk
CONSUTER: ISM PC comparials
CPERATING SYSTEM: PC CONSUME LASS
SOFTWARE: PARON: IN FELENSE FLO.
CURRENT APPLICATION NUMBER: US/00/188,404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US/09/198,404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRICK APPLICATION DATA:
APPLICATION NUMBER: UP 61,710/97
FILING DATE: 3-MAR-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE:
CLASSICATION
PRICA APPLICATION DATA
APPLICATION NUMBER: 09/966,388
                                                                                                                                                                                                                                                                  MOLECULE TYPE: peptide
/ FRAGMENT TYPE: internal fragment
US-09-188-403-8
                   NAME: BROWDY, Roger 5.
REGISTRATION WIMBER: 25,618
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORVATION:
TELEPHONE: 202-628-5:97
TELEFAX: 202-737-3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEX: 248633
INFORMATION POR SEQ ID NO: 8:
SECUENCE CHARACTER:SIIGS:
LENGTH: 1: amino acids
  ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: 202-628 5197
TELEFAX: 202 737 3528
                                                                                                                                         TELEX: 248633
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 aming acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER
                                                                                                                                                                                                                                                                                                                                                                                                     4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: BROWDY, ROGER I. REGISTRATION NUMBER:
                                                                                                                                                                                                                                   TYPE: amino acid
                                                                                                                                                                                                                                                         ::ear
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Best Local Similarity
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STREET: 419
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US-09-188-404-8
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          COMPUTER: IBM PC compatible
OPSATING SYSTEM: PC-DGS/MS-DGS
SOFTWARE: Patent In Release #1.0, Version #1.37
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEMILT #

18-40-184 4-3-8

SEQUENCE F, ALLICATION US/09188403

SEQUENCE INFORMATION:

GENERAL INFORMATION:

APPLICANT: TOWNER: NISHINGTO

APPLICANT: MIDTH: CHAEN

CHAENSPENDING AND MIDTHERE

CHAENSPENDING AND METHABER

CHAENSPENDING AND METHABER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: BRCWDY AND NEIMARK STREET, 419 Seventh Street, N W , Suiter to STATE: 0.C.
                                                                                                                                       CLASSIFICATION: 435
FRICK APPLICATION DATA
PAPLICATION NUMBER: CP 311,235(1396, FILING DATE: 8-NOV-1996
PRICK APPLICATION DATA
FRELICATION NUMBER: CP 61,710/95
FILING DATE: 3 MR 1997
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY ROGET D.
PROJETRATION NUMBER: 25,618
REPERENCE/DOCKET NUMBER:
FELECOMMUNICATION INFORMATION:
                                                                                                    APPLICATION NUMBER: US/08/966, 343 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        JS/09/198,40
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COMBUTER: IBM PC comparible
COSATING SYSTEM: PC-DOS/MS-DCS
SOFTWARE: Patent in Release #11:
CURRENT APFLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: paptide
FRAGMENT TYPE: Internal fragment
US:(8-966 368 8
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PRIOR AFPLICATION DATA:
APPLICATION NUMBER: 09/966,384
Ploppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NOT USECULARY CHARACTERISTICS: DENUMBER TO SECULARY CHARACTERISTICS: DENUMBER TO SENTER TO SERVER.
                                                                                                                                                                                                                                                                                                                                                                                                 202 628-5197
202-737-3528
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid
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MEDICAL TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE
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                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE
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Sequence 8, Application US/09188404
| Parent No. 6.43(47)
| CARREDATION 6.43(47)
| APPLICANT: TOTOYUK: NISHIMOTO
| APPLICANT: HICHO CHAEN
| APPLICANT: CONTINUENCE CHAEN
| NUMBER OF SUPERICES: 10
| CORRESPONDENCE ADDRESS:
                                                             Gaps
                                                             ..
43.6%; Score 24; DB 3; Length 10; 87.1%; Pred. No. 1.46+02; tive i; Mismatches 2; Indels
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ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., Tavid A.
PEGISTALION NUMBER: 26,742
REFERENCE/DOCKST NUMBER: 136:11-001
Sequence 8, Application US/09117860A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 2, Application US/08424292
; Patent No. 5939270
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Larsen, Perer M. APPLICANT: Larsen, Uila A. APPLICANT: Jensen, Uila A. APPLICANT: Bourty Nave APPLICANT: Bourty Nave APPLICANT: Bourty Nave APPLICANT: Bourd, Herve TITLE OF INVENTION: NASKERS NUMBER OF SECUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Carlsen, Join
Kjeldsen, Keld
Johansen, Tahis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 80.0
Matches 4; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP. 07601
COMPUTER READABLE FORM:
MEDIOM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: Floor
CITY: Hackensack
STATE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Patent No. 5939270
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GHT: E
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
CRGANISM: Bovine
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APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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US-08-424-292-2
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APPLICANT: TOMOVIKI NISHIMOTO
APPLICANT: MICHIC KUBOTA
APPLICANT: HINCO CHAEN
APPLICANT: TOSHIO MIYAKE
TITLE OF INVENTION: KOJIBIOSE PHOSPHORYLASH, ITS PREPARATION AND USES
NUMBER OF SECIENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 500
CITY: Mishington
                                                                                                Saps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sign
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                                                   Query Match
Best Local Similarity 57.1%; Pred. No. 1.46+62;
Matches 4; Consorvative 1; Mismatches 2; Indeis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READBLE FORM:
MEDILW TYPE: Floppy disk
MEDILW TYPE: Floppy disk
COMPUTER: THE FO COMPUTED FOR COMPUTED SYSTEM: PC-DOS/MS FLS
SOFTWARE. Fatent in Release #1.0, Version #1.10
APPLICATION NUMBER: US/09/281.259
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: JF 61,710/57
FILING DATE: 3 MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: BROWNY, ROGENT, 25,518
REGISTRATION NIWHER: 25,518
REGISTRATION NIWHER:
THECOMMUNICATION: INFORMATION:
TELESTHONE: 202 628 5197
TELESTHONE: 202 628 5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION:
PRICE APPLICATION DATA:
APPLICATION NUMBER: 08/966,388
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MODECULE TYPE: peptide
FRAGMENT TYPE: internal fragment
internal fragment
                                                                                                                                                                                                                                                                     Sequence 9, Application US/09281259
Patent No. 6204377
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEX: 248633
INFORMATION FOR SEC 1D NO: 8:
SECUENCE CHARACTERISTICS:
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Best Local Similarity
Matches 4, Conserv
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COUNTRY: USA
FRACMFRT TYPE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20002
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US-09 117-860-8
              US-09-188-404-8
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PARENT NOW 6 38955
GENERAL INFORMATION:
APPLICANT: OGURI, Sugaru
APPLICANT: MINOWA, Mari
APPLICANT: MINOWA, Mari
APPLICANT: MINOWA, Mari
APPLICANT: TANIGUCHI, Nacyiki
APPLICANT: MINOMER: US/09/117,060A
CURRENT: APPLICATION NUMBER: US/09/117,060A
CURRENT: APPLICATION NUMBER: WC PCT/JD97/04546
EARLIER FILING DATE: 1997-12-10
EARLIER FILING DATE: 1997-12-10
EARLIER FILING DATE: 1997-06-19
EARLIER FILING DATE: 1997-06-19
EARLIER FILING DATE: 1997-06-19
EARLIER FILING DATE: 1996-12 12
NUMBER OF SEC ID NOS: 63
SOFTWARE: Patentin Ver. 2.0
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STREET: 411 Hackensack Ave, Continental Plaza, 4th
STREET: Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DGS/MS-JOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/28/424,292
FILING DATE: 18 A-PR-1995
CLASSIFICATION: 5.36
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16
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COMPUTER READABLE FORM:
MECIUM TYPE: Diskette
COMPUTER: IBM COMPALIBLE
COMPUTER: IBM COMPAUS
SOFRATING SYSTEM: Windows
SOFTWARE: FASTSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
                                        Sequence 9, Application US/09267993
Patent No. 6358692
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: BUSC.
STATE: MA
COUNTRY: USA
TYP: 02210
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                       US-09-267-993-9
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SEQ ID NO 9
LENGTH: 9
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APPLICANT NATION, Brian M.
APPLICANT ACC. PALEAR M.
APPLICANT ACC. PALEAR M.
TILLE OF INVENTION: HEAT STABLE RUSTACEAN ALLERGED DESIVED FROM SHRIMP NOT STABLE OF INVENTION: HEAT STABLE RUSTACEAN ALLERGED DESIVED FROM SHRIMP CORRESPONDENCE ADDRESS: 24
CORRESPONDENCE ADDRESS: ADDRESS: ADDRESS: ADDRESS: ADDRESS: N.M., Suite 500
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                                                                                                                                                                                                                                                                                                                                     Saps
                                                                                                                                                           TCPGLOGY: linear MCLECULE TYPE: peptide DESCRIPTION: Year at Position: its GIY of Brother Filters and HYPOTHETICAL: NO
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Best Local Similarity 44.4%; Pred. No. 2.50-55;
Matches 4; Conservative 2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                    Query Match

41.8%; Scott 23, DF L; Intigth B:
Best Local Similarity 80.0%; Pred No. 2.5e-05;
Matches 4; Conservative D; Mismatches I; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIE: 20007-5129
COMPUTER READABLE FORM:
MEDIJM TYPE: Floppy disk
COMFUTER: IBM COMPATIBLE
OPERATINS SYSTEM: PC-DOS/XS-75:S
SOFIWANE: Patentin Release #1.5, Version #1.35
CHRANE: Patentin Release #1.6, Version #1.35
CHRANE: PATENTION DATA:
APPLICATION NUMBER: US/08/14./409
FILSING DATE: 10.NOV 1913
CLASSIFICATION: 520
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY ABENT, Stephen A
REGISTRATION NUMBER: 29,768
REGISTRATION NUMBER: 29,768
TELECOMMUNICATION INFORMATION:
TELECHONE: (202:672-5300)
TELECHAN: (202:672-5300)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PESULT 13
US 08-149 R09-19
Sequence 19, Application US/08149809
Partent No. 5449669
GENERAL INFORMATION:
TELECOMMUNICATION INFORMATION
               TELEPHONE: 201-487-5803
TELEPAX: 201-483-1684
INFORMATION FOR SEQ 1D NO: 2: SEQUENCE CHARACTERISTICS: LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO:
SECUENCE CHARACTERISTICS:
LENGTH: 9 amino acids
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                                                                                                                    TYPE: arino acid
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/ TCPCLOGY, linear
US-08-149 809-10
                                                                                                                                                                                                                                                                                                                                                                        1 GHTFE 5
                                                                                                                                                                                                                                                                                                                                                                                             USA
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                                                                                                                                                                                                                                               13-08 424-292-
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Sequence 2, Application US/09081975
Patent No. 6452979
GENERAL INFORMATION:
APPLICANT: Washing
APPLICANT: Washing
TITLE OF INVENTION: METHODS OF IPPACEMENT USING
TITLE OF INVENTION: ANTHRONES AND FROTEINS THERETO, AND USES OF THE
ORRESPONDENCES: 27
CORRESPONDENCES: 27
CORP. BOSTON
COTATOL BOSTON
COTATOL BOSTON
PAPPLICANT: Canadal Satistical Applicant: Canadal Satistical Satis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Description of Artificial Sequence: synthetic CTHER INFORMATION: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 41.8%; Score 23; DB 4; Length 9; Best Local Similarity 80.0%; Pred. No. 2.5e+05; Matches 4; Conservative 0; Mismatches 1; Indels
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FILING DATE: 12-MAY-1938
CLASSIFICATION: 435
FRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/046,207
FILING DATE: 12-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Elsenstein, Forald:
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REGISTRATION NUMBER: 30,628
RHFERNOE/DOCKET NUMBER: 4740
TELEPHONE: 617-345-654
TELEPHONE: 617-345-630
TELEPAX: 627-345-330
TELEXX: 100-22
INPORNATION FOR SECTIO NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
TYPE: anino acid
STRANDENESS: single
100-031-975-2
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 Query Match
 40.0%; Score 22; D8 4; Length C1

 Best Local Similarity
 100.0%; Pred; No. 2.5e+05;

 Matches
 4; Conservative
 0; Mismatones
 0; Indels

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 3 TFED 6

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 1 TFED 4

 Dib
 1 TFED 4

 Shearch completed: November 5, 2003, 17:36:12

 Job time: 13:333 secs

0

Gaps

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GenCore version 5.1.6
Copyright (c) 1993 · 2003 Compugen Ltd.
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	November 5, 2003, 17:18:39; Search time 13:5 Seconds (Without alignments)
sw model	17:18:39
ธนารา	2003,
: protein search, using sw model	November 5,
OM protein	Run, on:

56.989 Million cell updates/sec US:09-914.088-5 51 1 GGGEFPPT 8 Title: Perfect score: Seguence:

BLOSIM62 Gapop 10.0 , Gapext 0.5 Scoring table:

283308 segs, 96168682 residues Searched:

604 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 8

Post processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

PIR 76:*
1: Pir1:*
2: pir2:*
3: pir3:*

Database

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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S GI		2 C53284					2 PL0184				B3		BS	57			2 B39745		\$2		S1	ΡŢ	\$5	3N086	A6	A4	PH:40	\$5	
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RESULT 3 E61491

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	13 25.5 8	ın.	13 25.5 8									25.5		12 23.5 3	12 23.5 3	12 23.5 4

ALIGNMENTS

RESULT 1 542407 Gyzamicidin S synthetase component II - Bacillus brevis (fragment) C;Species: Bacillus brevis C;Species: Bacillus brevis C;Accession: 542407 R;Stein, T; Vater, J; Kruft, V.; Wittmann-Liebold, B.; Franke, P.; Panico, M.; Mc Dr R;Stein, T; Vater, 1994 R;Stein, T; Vater, 1994 A;Title: Detection of 4'-phosphopantetheine at the thioester binding site for L-valin A;Reference number: 542407; WID:94164305; PMID:8119405 A;Rolecale type: protein	A;Residues: 1-7 <ste> Query Match Query Match Best Local Similarity 100.0%; Pred. No. 2.8e+05; Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Qy </ste>	FESULT 2 C53284 T-cell receptor beta 2 chain E region, Dbeta2 - rabbit C:Species: Oryc:0lagus cuniculus (domestic rabbit) C:Species: Oryc:0lagus cuniculus (domestic rabbit) C:Accession: C53284 R:Harindranath, N.; Avaxander, C.B.; Mage, R.G. Moi. Immunol. 28, 881-888, 1991 A;Ttle: Evolutionarily conserved organization and sequences of germline diversity and A;Ttle: Evolutionarily conserved organization and sequences of germline diversity and A;Ttle: Evolutionarily conserved A;Ttle: A53284; MJID:91342695; PMID:1678859	A; Molecule type: DNA A;Residues: 1-5 e:BAR> A;Residues: 1-5 e:BAR> A;Cross-references: GS:S60737; NID:g2333916; PIDN:AAB19519.1; PID:g233919 A;Cross-references: GS:S60737; NID:g2333916; PIDN:AAB19519.1; PID:g233919 A;Note: sequence extracted from NCBI backbone (NCBIN:60737, NCBIP:60740) C;Keywords: T-cell receptor C;Keywords: T-cell receptor Ouery Match Best Local Similarity 100.0%: Pred. No. 2.8e+05; Matches 3; Conservative 0; Mismatches 0; Indel8 0; Gaps 0;	1 636 3
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capsid protein VP-1 - murine policovirus (fragment)
C;Species: murine policovirus, Theiler's encephalomyelitis virus
C;Species: murine policovirus, Theiler's encephalomyelitis virus
C;Date 20-Feb-1995 #sequence_revision 20-Feb-1995 #text_change 20-Feb-1995
C;Accession: Piol84; A: Hogle, J.M.; Fujinami, R.S.
B;Zurbriggen, A.; Hogle, J.M.; Fujinami, R.S.
J. Exp. Med. 170, 2017-2049, 1989
A;Title: Alteration of amiso acid 101 within capsid protein VP-1 changes the pathogen A;Reference number: Piol84; MJID:90063468; PMID:2479706
                                                                                                                                                                                                                                                                                                                                                                                                            Cyncusbion: Aprilon

Rydortecucch: P.C.; Vincenti, M.; Lazzarini, A.M.; Rusconi, L.; Erspamer, V.

Int. J. Pept, Protein Res. 33, 391-395, 1989

Affilie: Isolabation, structure determination and synthesis of a novel tryptophan.conta

A; Reference number: A61081

A; Reference number: A61081

A; Residues: 1-7 < MON.

C; Comment: The biological activity of this peptide was not determined.

C; Comment: The biological activity of this peptide was not determined.

C; Superfamily: unassigned animal peptides

C; Superfamily: unassigned animal peptides

C; Superfamily: unassigned animal peptides

C; Superfamily: enassigned animal peptides

C; Superfamily: unassigned animal peptides
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                                                                                                                                                                                  tryptophyllin, basic - Rohde's leaf frog
C;Species: Phyllomedusa rohdei (Rohde's leaf frog)
C;Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 18-Aug-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             growth-modulating peptide - human CiSpecies: Homo sapiens (man) CiSpecies: Homo sapiens (man) CiSpecies: Homo sapiens (man) CiSpecies: Homo sapiens (man) CiSpecies: hour 2001 #text_change 15-Jun-2001 CiSpecies: hour 2012; Rischlesinger, D.H.; Pickart, L.; Thaler, M.M. Experientia 33, 324-325, 1977 Aprille: Growth modulating serum tripeptide is glycyl-histidyl-lysine. A;Reference number: A01421; MUID:77162369; PMID:858356
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Best Local Similarity 57.1
Matches 4, Conservative
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Best Local Similarity 66.7
Matches 2, Conservative
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A,Molecule type: genomic RNA
A,Residues: 1-8 <2UR>
C,Keywords: capsid protein
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seed protein ws.5 - winged bean (fragment)
C;Species: Psophocarpus tetragonolobus (winged bean)
C;Species: Psophocarpus tetragonolobus (winged bean)
C;Accession: E61491
C;Accession: E61491
C;Accession: B, 115-130, 1989
C;Accession: B, 115-130, 1989
A;Title: Microsequence analysis of winged bean seed proteins electroblotted from two-dim A;Retenore number: A61491; MUID:8935:606; PMID:2765119
A;Accession: E61491
C;Keywords: G;Accession: G;Accession: G;Keywords: G;Keywords: G;Keywords: G;Accession: G;Keywords: G;Accession: G;Accession: G;Keywords: G;Accession: G;Accession
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Pi0509
The cell receptor beta chain V-D-J region (100-4N) - mouse (fragment)
CoBpecies: Mus musculus (house mouse)
Cobecies: Musculus (house)
Misculus (Musculus)
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100.0%; Pred, No. 2.86+05;
live 0; Mismatches
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A,Residues: 1-6 <47Am>
A,Exportmental source: B lymphocyte
C,Keywords: heterotetramer: immunoglobulin
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Best Local Similarity 50.0%,
Thus 3; Conservative
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Best Local Similarity 100.
Matches 3, Conservative
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C;Species: Physarum polycephalum
C;Date: 28-Jun-1991 #sequence_revision 28-Jun-1991 #text_change 30-Sep-1993
C;Accession: B17988
B;Murakami-Murofushi, K.; Takahashi, T.; Minowa, Y.; Inno, S.; Takeuchi, T.; Kitagaki-Og
J. Blol. Chem. 265, 19898-19903, 1990
J. Blol. Chem. 265, 19898-19903, 1990
A;Title: Purification and characterization of a novel intracellular acid proteinase from
A;Reference number: A17988; MUID:91060608; PMID:2246266
A;Accession: B37988
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R;Curmings, D.J.; Michel, F.; McNally, K.L.
Curr. Genet. 16, 381-406, 1989
A;Title: D:A sequence analysis of the 24.5 kilobase pair cytochrome cxidase subunit I mit A;Reference mumber: A48327; MJD:90124722; PM;D:2558863
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R;Kraut, M.; Hugendieck, I.; Herwig, S.; Meyer, O.
Arch. Microbiol. 152, 335-341, 1989
A;Title: Homology and distribution of CC dehydrogenase structural yenes in carboxydotrog A;Reference number: PL0138; MUID:90055678; PMID:2818128
A;Accession: PL0140
                                                                                                                                                                                                                                                                                     carbon-monoxide dehydrogenase (SC 1.2.39.2) lange chain - Pseudomonas carboxydobydrogena
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A,Residues: 1-4 <KRA>
C,Comment: Carbon-monoxide dehydrogenase consists of three polypeptide chains: large,
C,Keywords: oxidoreductase
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CySpecies: mitochondrion Podospora anserina
CyDate: G3 Feb-1994 #sequence_revision G3·Feb-1994 #sext_charge 07-Dec-1999
                                                                                                                                                                                                                                                                                                                             C;Species: Pseudomonas carboxydohydrogena
C;Date: 07-Sep-1990 #sequence_revision 07-Sep-1990 #text_change 28 Apr-1993
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A,Cioss references: GB:X55026; GB:M30937; GB:M61734
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A,Molecule type: protein
A,Residues: 1-5 <MUR>
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A;Genetic code: SGC3
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NAIternate names: collagen alpha 3(XI) chain
C;Species: Bos primigenius taurus (catile)
C;Date: 0.50ct-1995 #sequence_revision 03-0ct-1995 #text_change 03-0ct-1995
C;Accession: B56999
R;Wu, J.J., Eyre, D.R.
J. Biol. Chem. 270, 1885-18870, 1995
A;Tille: Structural analysis of cross-linking domains in cartilage type XI collagen. I
A;Reference number: A56978; MUID:95370194; PMID:7642541
                                                                                                                                                                                                                                                                                                                                                                                                                                                           C;Species: Pseudomonas sp.
C;Date: 07-Oct-1994 #sequence_revision 07-Oct-1994 #text_change 07-May-1399
C;Date: 07-Oct-1994 #sequence_revision 07-Oct-1994 #text_change 07-May-1399
C;Datession: A61419
R;Phito, U.T.; Frisell, W.R.
Arch. Biochem. Biophys: 169, 483-491, 1975
Arch. Biochem. Biophys: 169, 483-491, 1975
A;Title: Characterization of the peptide-bound flavin of a bacterial sarcosine dehydro
A;Reference number: A61419; MUID:76038634; PMID:241294
A;Accession: A61419
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A;Molecule type: protein
A;Residues: 1-6 <MUA>
A;Note: the residue designated "X" is modified Lysine in collagen 1(II) some cross-lin
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A;Residues: 1-6 <PIN>
C;Keywcrds: FAD; [lavoprotein; oxidoreductase: phosphoprotein
C;Keywcrds: FAD; [lavoprotein]
F;6/Modified site: 3'-FAD-histidine (His) #status experimental
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        Length 5;
Query Match 27.5%; Score 14; DB 2; Le
Best Local Similarity 100.0%; Pred. No. 2.8e+05;
Matches 2; Conservative 0; Mismatches 0;
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RESUL! 15
Pro283
Ig homo sapiens (clone 4-948) - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Sate: 30-Sep 1993 #sequence_revision 30-Sep-1993 #text_change 15-Aug-1996
C;Cocession: Pro283
R;Yamada, M.; Wasserman, R.; Reichard, B.A.; Shane, S.; Caton, A.J.; Rovera, G.
J. Exp. Med. 173, 395-407, 1991
A;Title: Preferential utilization of specific immunoglotulin heavy chain diversity and j. A. A. A. Molecule type: DNA
A;Molecule type: DNA
A;Molecule type: DNA
A;Molecule type: DNA
A;Molecule type: 17 < YAM>
A;Experimental source: B;Ymphocyte
C;Keywords: heterotetramer; immunoglotulin
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A,Residues: 1-7 <MAD>
A,Experimental source: strain d4-2
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A,Genetic code: SGCS
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ALL5_CARNA
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PPK3_PERAM
AKH_MELML
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Oi-AUG-1991 (Rel. 19, Last annotation update) Locusta migratory [COX-MT-2]. Locusta migratory and the control of the control o		(Rel. 19,
Eukaryota migratoria (Migratory locust) Eukaryota Merazoa, Arthropoda; Hexapoda; Insecta; Perrygota; Neoptera; Orthopteroidea; Arthropoda; Hexapoda; Insecta; Perrygota; Neoptera; Orthopteroidea; Orthoptera; Caelifera; Acridomorpha; NEDI TaxID=704; Ili TaxID=70	or DE	01-AUG-1991 (Rel. 19, Last annotation update) Locustamyotropin 2 (1,0%-MT-2).
Reopters, Orthopteroides, Orthopters, Caelifers, Acridomorpha; Nearlandea, Acrididae, Oedipodinae; Locusta. NCBI TaxID=7064, NCBI TaxID=7064, NCBI TaxID=7064, Tissue-Corpora cardiaca; SEDUENE. TISSUE-Corpora cardiaca; SEDUENE. TISSUE-Corpora cardiaca; SEDUENE. TISSUE-Corpora cardiaca; SEDUENE. TISSUE-Corpora cardiaca; Additional neuropeptide family."; Insect Blookem. 201479-484[1990].	8 00	Locusta migratoria (Migratory locust). Eukaryota: Metazoa: Arthropoda: Hexapoda: Insecta: Prervoota:
ACTIONAGEA, ACTIONAGE, CENTRODAINAE, LOCUSTA. [1] TAXID=7054; [1] TAXID=7054; [1] TAXID=7054; [2] TISSLE-Corpora cardiaca; SEQUENCE TISSLE-Corpora cardiaca; TISSLE-Corporate; TISSLE-Corporate; TISSLE-Corporate; TISSLE-Corporate; TISSLE-Corporate; TISSLE-Corporate;		era; Acridomorpha
SECUENCE. TISSUE-Corpora cardiaca; Schoofs L., Halonan G.M., Hayes T.K., Nachman R.J., de Loof A.; TISSUE-corpora cardiaca; Schoofs L., Halonan G.M., Hayes T.K., Nachman R.J., de Loof A.; Tisolation, identification and synthesis of locustamyotropin II, additional neuropeptide of Locustamigratoria. Member of the cephalomyotropic peptide family."; Insect Biochem. 2019-484(1990)		Acridoidea; Acrididae; Cedipodinae; Locusta. NCBI_TaxID=7004;
Schoofs L. Holman G.M., Hayes T.K., Nachman R.J., de Loof A.; "Isolation, identification and synthesis of locustamyotropin II, additional neuropeptide of Locusta migratoria. Member of the cephalomyotropic peptide family."; Insect Blochem. 20:479-484(1990)	z	(1) 57N-1100
Schoofs L., Holman G.M., Hayes T.K., Nachman R.J., de Loof A.; "Isolation, identification and synthesis of locustamyotropin II, additional neuropeptide of Locustam migratoria. Member of the cephalomyotropic peptide family."; "Insect Bacchem." 20:479-484(1990)!- FUNCTION: MEDIATES VISCERAL MUSCLE CONTRACTILE ACTIVITY "WOTROPIC ACTIVITY) -!- SIMILARITY: BELONGS TO THE PYROKININ FAMILY. InterPro IILARITY: BELONGS TO THE PYROKININ FAMILY. InterPro IILARITY: BELONGS TO THE PYROKININ FAMILY. InterPro IILARITY: BELONGS TO THE PYROKININ FAMILY. NEUROPEPTIGE, Madaion: PYROKININ. 1. NEUROPEPTIGE, Madaion: PYROKININ. 1. NEUROPEPTIGE, MA 934 MM; 26341771A9CAA87B CRC64; SEQÜENCE 8 AA, 934 MM; 26341771A9CAA87B CRC64; SEGÜENCE 8 AA, 934 MM; 26341771A9CABA CRCABARA ACANTHORDERYGI: Neopterygi: Teleostei: Euteleostei: Butaryota: Mecazoa; Chordata; Cranatata Cra	ر ا	SECUENCE. TISSUE=Corpora cardiaca;
"Isolation, identification and synthesis of locustamyotropin III, additional neuropeptide of Locusta migratoria. Member of the cephalomyotropic peptide family." Insect Biochem. 20.479-484(1990).	RA	Schoofs L., Holman G.M., Hayes T.K., Nachman R.J., de Loof A.,
additional neuropeptide of Locusta migratoxia. Member of the cephalomyotropic peptide family."; Insect Blochem. 20,49-484(1990). -!- FUNCTION: MEDIATES VISCERAL MUSCLE CONTRACTILE ACTIVITY -!- SIMILARITY: BELOAGS TO THE PYROKININ FAMILY. InterPro: IPROJUAG4; PYTOKININ. PROSITE: PSO639; PYROKININ, I. Neuropeptide: Amidation; PYTOKININ. MOD RES SEQÜENCE 8 AA; 934 KM; 26341771A9CAA87B CRC64; ABRE 1 COCAI SIMILARITY 60.04; PYEG. NO. 1.38+05; ABRE 2 COCHET 6 SECUENCE 8 AA; 934 KM; 26341771A9CAA87B CRC64; ABRE 2 COCHET 6 SECUENCE 8 AA; 934 KM; 26341771A9CAA87B CRC64; ABRE 2 COCHET 6 SECUENCE 8 AA; 934 KM; 26341771A9CAA87B CRC64; ACHIONOC (Rel. 39, Created) BARANA STANDARD; PRT; 5 AA. PRIBÉ4; PRIBÉ5; PRIBÉ5	RI	
ceptalonyOricopic pepting family."; Insect Blochem. 20,494.484 (1990)!- FUNCTION: MEDIATES VISCERAL MUSCLE CONTRACTILE ACTIVITY -!- SIMILARITY: BELONGS TC THE PYROKININ FAMILY. InterPro; IPRO01484; PYTOKININ!- SIMILARITY: BELONGS TC THE PYROKININ FAMILY. InterPro; IPR001484; PYTOKININ. NEUTOSPELIDE, Amidation; PYTOKININ. MOD RES 8 ROSITES 8 AMIDATION. MOD RES 9 AMIDATION. 9 AMIDATION. 9 AMIDATION. 9 AMIDATION. 9 AMIDATION. 9 AMIDATION. 1 1 1 1 1 1 1 1 1 1	H 1	additional neuropeptide of Locusta migratoria. Member of the
	<u> </u>	cephalomyotropic peptide family."; treest Biochem 20.474-484(1990)
(MYOTROPIC ACTIVITY). -!- SIMILARITY: BELONGS TO THE PYROKININ FAMILY. InterPro; IMPO1444, Pyrokinin. PROSITE; PS0539; PYROKININ; 1. Neuropeptide; Amidation; Pyrokinin. MOD RES SEQÜENCE 8 AA, 934 MM; 26341771A9CAA87B CRC64; SEGÜENCE 8 AA, 934 MM; 26341771A9CAA87B CRC64; ALCGAÏ SIMILARITY 60.04; Pred. No. 1 3e+05; ALCHES 3; CONSEIVALIVE 0; Mismatches 2; Indels 0; ALCHES 3; GEFTP 6 SULT 2 PARMA STANDARD; PRT; 5 AA. PRIS PARMA STANDARD; PRT; 5 AA. PRIS PARMA STANDARD; Red sequence update) 30-MAY-2000 (Rel. 39, Last sequence update) 30-MAY-2000 (Rel. 39, Last sequence update) 40-MAY-2000 (Rel. 39, Last annotation update) 80-MAY-2000 (Rel. 39, MAY-2000) 80-MAY-2000 (Rel. 39, MAY-2000) 80-MAY-2000 (Rel. 39, MAY-2000) 80-MAY-2000 (Rel. 39, MAY-2000) 80-	ں <u>ہ</u>	.i.sect biodiem: 20:4/9-404/1220/.
InterProf. IRRITY: BELONGS TO THE PYROKININ FAMILY. InterProf. IRROUAGA; PYCKININ. PROSITE, PSO0539; PYROKININ. Neuropeptide; Amidation; Pyrokinin. Neuropeptide; Amidation; Pyrokinin. Neuropeptide; Amidation; Pyrokinin. SEGÜENCE 8 AA; 934 KM; 2634177139CAA97B CRC64; SEGÜENCE 8 AA; 934 KM; 2634177139CAA97B CRC64; Aatches 3; Conservative 0; Mismatches 2; Indels 0; BABB64; 30-MAY-2000 (Rel. 39; Created) 30-	U	(MYOTROPIC ACTIVITY).
InterPro; IPR001484; Pyrokinin. PROSITE: PS0639; Pyrokinin. Neuropeptide; Amidation; Pyrokinin. Neuropeptide; Amidation; Pyrokinin. NEUROPEPTIGE: Amidation; Pyrokinin. ND RES SEQÜENCE 8 AA; 934 MH; 26341771A9CAB97B CRC64; Sest Local Similarity 60.04; Pred. No. 1.38+05; Aatches 3; Conservalive 0; Mismatches 2; Indels 0; SULT 2 PARMA STANDARD; PRT; 5 AA. PR1864; PARY 2000 (Rel. 39, Created) 30-MAY-2000 (Rel. 39, Last sequence update) 29-FEB-2003 (Rel. 41, Last annotation update) Pardachirus marmoratus (Redment). Rednihomorpha; Adamthopterygii; Percomorpha; Pleuronectiformes; Soleoiden: Soleidae; Pardachirus. Renthomorpha; Adamthopterygii; Percomorpha; Pleuronectiformes; Soleoiden: Soleidae; Pardachirus. RED31097; EUXETOSJUNCE.	υ	-!- SIMILARITY: BELONGS TO THE PYROKININ FAMILY.
PROSTIE; PS00.95; PYROKININ; I. Neuropeptide; Amidation; Pyrokinin. MOD_RES SEQÜENCE 8 AA; 934 KM; 26341771A9CAA87B CRC64; SEQÜENCE 8 AA; 934 KM; 26341771A9CAA87B CRC64; Set Local Similarity 60.0%; Pred. No. 1.38+05; Aatches 3; McCartaity 60.0%; Pred. No. 1.38+05; Aatches 7; DB 1; Length 8; Agthp 7	or e	InterPro, IPR001484; Pyrokinin.
MODIRES 8 AN 934 MW; 26341771A9CAABTB CRC64; SEQUENCE 8 AA; 934 MW; 26341771A9CAABTB CRC64; SEQUENCE 8 AA; 934 MW; 26341771A9CAABTB CRC64; Second Second Similarity 60.04; Pred. No. 1.3e+05; Aatches 3; GEFTP 7 Second No. 1.3e+05; Second Seco	٤3	PROBLE; PSUBSS; PIROTININ; L. Neuropeptide: Amidation: Porokinin
SEQUENCE 8 AA; 934 KW; 26341771A9CAABTB CRC64; Duery Match 33.3%; Score :7; DE 1; Length 8; datches 3; Gerry 60.0%; Pred. No. 1.38+05; Apthes 3 GHERP 7	: [-	MOD_RES 8 ANIDATION.
Duery Match 33.3%; Score :7; DB i; Length 8; datches 3; Conservative 0; Mismatches 2; Indels 0; 3 GHFPP 7 2 GETP 6 2 GETP 6 2 DARWA STANDARD; PRT; 5 AA. PR164; PAP2 PARMA STANDARD; PRT; 5 AA. PR164; PAP3 PARMA STANDARD; Created) 30-MAY-2000 (Rel. 39, Last sequence update) 30-MAY-2000 (Rel. 39, Last seque	o	8 AA; 934 MW;
3 GHFPP 7 2 GEFTP 6 SULT 2 PARMA STANDARD; PRT; 5 AA. PR1864; PAPPA 2000 (Rel. 39, Created) 30-MAY-2000 (Rel. 39, Last sequence update) 30-MAY-2000 (Rel. 41, Last annotation update) Pardachirus marmoratus (Rel. 41, Last annotation update) Pardachirus marmoratus (Rel. 41, Last annotation update) Pardachirus marmoratus (Rel. 41, Last annotation update) Pardachirus marmoratus, (Rel. 41, Last annotation update) Pardachirus marmoratus, (Rel. 41, Last annotation update) Pardachirus marmoratus, (Release Sole). Released Actinoptorygii: Neopterygii: Teleostei: Buteleostei: Neoteleoste Acanthomorpha; Acanthopterygii: Percomorpha; Pleuronectiformes; Soleoidei: Soleidae: Pardachirus. [1] SEQUENCE.	0, 00, ≥	Match Local Similarity 60.0%; Pred, No. 1.3e+05; es 3; Conservative 0; Mismatches 2; Indels 0;
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	Ŀ ŧ	30-MAY-2000 (Rel. 39, Last sequence update)
	- E	zs-rep-zous (Rel. 41, Last amboration update) Pardaxin II (PXII) (Fragment)
	၊ က	Pardachirus marmoratus (Red sea moses sole).
	Ų	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eureleostomi;
	Ü	Actinopterygii; Neopterygii; Teleostei; Euteleostei;
	ပ္ (Acanthomorpha, Acanthopterygii, Percomorpha, Pleuronectiformes,
	ָיֵצְ טַ	Soleoidei; Soleidae; Pardachirus. Nort Taxio=11047.
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	25	SEQUENCE.

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-i- COFACTOR: Molybdenum (molybdopterin).
-i- SUBCNIT: CONSISTS OF THREE POLYPEPTIDE CHAINS: LARGE, MEDIUM, AND
MEDLINE=90055678; PubMed=28:8128;
Kraut M., Hugendieck I., Herwig S., Meyer O.;
"Homology and distribution of CO dehydrogenase structural genes in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Evans B.D., POhl J., Kartsonis M.A., Calabrese R.L., Hech.", "Identification of RFamide neuropeptides in the medicinal leech.", Peptides 12:897-908(1991).
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28-FEB-2003 (Rel. 41, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
Tryptophylln-1 (PdT-1).
Exharyota, Metazoa; Crant mexican leaf frog).
Exharyota, Metazoa; Croxdata; Craniata; Vertebrata; Euteleostomi; Amphibia; Batrachia; Anura; Neobatrachia; Bufonoidea; Hylidae; NPKyllomedusinae; Pacitymedusa.
NPKyllomedusinae; Pacitymedusa.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-2004.

01-8004.1995 (Rel. 32, Last sequence update)

01-8004.1995 (Rel. 32, Last annotation update)

01-8004.1995 (Rel. 32, Last annotation update)

FMRFamide-like neuropeptide GGKYMRR-amide.

Hirudo medicinalis (Medicinal leech).

ENGATOCE, Metazoa, Annelida; Clitellata; Hirudinida; Hirudinea;

Arynchobdellida; Hirudiniformes; Hirudinidae; Hirudinea;
                                                                                                                                   dioxide.
-:- CATALYTIC ACTIVITY: CO + H(2)C + acceptor = CO(2) + reduced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .: SIMILARITY: RELONGS TO THE FARP (FMRFAMIDE RELATED PEPTIDE)
                                                                                      Arch. Microbiol. 152:335-341(1989).
                                                                                                                                                                                                                                                                                                                                                                                  27.5%; Score 14; DB 1; Length 4; 100.0%; Pred. No. 1.38+05; ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                    SEQUENCE 4 AA; 441 MW; 7761E876F000000 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7 7 7 AMIDATION.
7 AA; 858 MW; 69D4068B53387810 CRC64;
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                                                                                                                                                                                                                                                                                            Cxidoreductase, Molybdenum.
NON TER 4 4 4
                                                                      carboxydotrophic bacteria.
                                                                                                                                                                                                                                                                                                                                                                                                                               2; Conservative
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Matches 2, Conservative
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FARS_HIRME
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TPFY_PACDA
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                Lazarovici P., Primor N., Loew L.M.;

"Purification and pore-forming activity of two hydrophobic polypeptides from the secretion of the Red sea moses sole (Fardachiius maxmoratus).";

"Janol. Chem. 261:16704-16713(1986).

-: FUNCTION: Exhibits unusual shark repellent and surfactant properties. Forms voltage-dependent, ion-perreable channels in membranes. At high concentration causes cell rembrane lysis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE.
MEDIJNE-77162369; PubMed=858356;
Schleainger D.H., Pickart L., Thaler M.M.;
Schleainger D.H., Pickart L., Thaler M.M.;
Schleainger D.H., Pickart L., Thaler M.M.;
Experientia 33:324-325(1977).
F. WISCELARECUS: THIS SERUM TRIPEDTIDE HAS BEEN FORNO TO SCHWOLATE GROWTH OF SOWE CELL TYPES AND TO INHIBIT OTHER TYPES IN VITRO.
GO: GO: GO: GO: GO: Friegoldation of Fell growth; MAS.
SEQUENCE 3 AA.; 340 MW, 6331kH100000000 (1976).
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                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Hono.
NCBI TaxID=9606;
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                                                                                                                                                                                                -! SUBUNIT: Monomer. In aqueous solution exists as a tetramer.
-!- SUBCELLULAR LOCATION: Secreted.
-!- S!XILARITY: BELONGS TO THE PARDAXIN FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bacteria, Proteobacteria, Alphaproteobacteria, Rhizetrales,
Bradyrhizobiaceae.
                                                                                                                                                                                                                                                                                                                                                      29.4%; Score 15; DB 1; Length 5; 60.0%; Pred, No. 1.3e+05; attive 0; Mismatches 2; Indels
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(Rel. 01, Last sequence update)
(Rel. 01, Last annotation update)
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  MEDL:NE=87057369; PubMed-3782138;
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Homo sapiens (Human).
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1 GH 2
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Spermatophyta; Coniferopsida; Coniferales; Pinaceae; Pinus.
NCBL_TAXID=71647;
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Best Local Similarity 40.0%
                                                                                                                                                                                                                                                                                                                                        STANDARD;
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3 GNLP 6
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                                                   TISSUE=Needle;
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                                                                                                             proteins."
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P41841;
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                                                                                                                       -i- SUBCELLULAR LOCATION: Secreted.
-i- TISSUE SPECIFICITY: Skin.
-i- MASS SPECIRCMETRY: WM=809.2; METHOD_MALDI.
GC; GO:0005576; C-extracellular; NAS.
GO; GO:0015966; P:negative regulation of smooth muscle contra...; NAS.
Amphibian defense peptide; Amidation; Hydroxy:ation.
      SECUENCE, MASS SPECTROMETRY, HYDROXYLATION OF PRO-3, AND AMIDATION OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                 -t- FUNCTION: Mydactive, Has selective relaxing activity on vascular smooth muscle.
                                                                                                                                                                                                                                                                    Gaps
                                 Chen T.B., Crr D.F., Shaw C.; "Pachymedusa dachicolor tryptophyllin-! (PdT-1): structural characterization, pharmacological activity and cloning of precursor cDNA.";
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Merrick B.A., Patterson R.M., Wichter L.L., He C., Johns C.E., "Separation and sequencing of familiar and nevel minima proteins
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01-6CT-1994 (Rel. 30, Created)
01-6CT-1994 (Rel. 31, Last sequence update)
01-FBB-1995 (Rel. 31, Last annotation update)
Unknown protein from 2D-page of fibroblasts (P46) (Fragment).
Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15-JUL-1999 (Rel. 38, Created)
15-JUL-1999 (Rel. 38, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
Unknown protein from 20-page of needles (N141) (Flagment)
Pinus pinaster (Maritime pine)
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-!- MISCELLANEOUS: ON THE 2D-GEL THE DETERVINED EL
                                                                                                                                                                                                                    7 AA; 794 MW; 7772D37DC7776350 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE 7 AA; 766 MW; 68640AB777632700 CRC64;
                                                                                      Submitted (SEP-2002) to the SWISS-PROT data bank.
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                                                                                                                                                                                                                                                                                                                                                                          7 AA.
                                                                                                                                                                                              HYDROXYLATION.
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                                                                                                                                                                                                           AMIDATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TISSUE=Fibroblast;
MEDLINE=95009907; PubMed=7523108;
                                                                                                                                                                                                                                                      Rest Local Similarity 100.
Matches 2, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2; Conservative
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                             TISSUE-Skin secretion;
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Best Local Similarity
Matches 2, Conserv
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P81675;
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                                                                                                                                                                                                                     SEQÜENCE
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UF04_MOUSE
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MEDLINE=99274588; PubMed=10344291;
Costa P., Pionneau C., Badw G., Dubos C., Bahrman N., Kremer A.,
Frigerio J.-M., Plomion C., and characterization of needle and xylem maritime pine "Separation and characterization of needle
                                                                                                                                                 Electrophoresis 20:1098-1108(1999).
-!- MISCELLANEOUS: ON THE 2D-GEL THE DETERMINED PI OF THIS UNROWN
PROTEIN IS: 6.6, ITS MW IS: 25 kDa.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     dragonfly.";

Biol. Chem. Hoppe-Seyler 371:475-48311990;

Biol. Chem. Hoppe-Seyler 371:475-48311990;

CARDIACA AFTER THE BEGINNING OF FLIGHT, CAUSES RELEASE OF PIGCTORY THE SEGINNING OF FLIGHT, CAUSES RELEASE OF DIGLYCRENDES FROM THE FAT BODY AND THEN STIMULATES THE FLIGHT WUSCLES TO USE THESE DIGLYCRENDES AS AN ENERGY SOURCE.

-!- SIMILARITY: BELONGS TO THE AKH / HRTH / RPCH PAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "The putative ancestral peptide of the adipokinetic/red-pigment-concentrating hormone family isolated and sequenced from a
                                                                                                                                                                                                                                                                                                                                                                                                                        .
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InterPro, IPR02047; AKH.
PR051TE; PS00256; AKH; 1.
Neuropeptide, Amidation; Flight, Pyrrolidone carboxylic acid.
MOD RES 1 1 1 1 1 PYRROLIDONE CARBOXYLIC ACID.
MOD_RES 8 AMIDATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01.MAY-1992 (Rel. 22, Created)
01-FBE-1994 (Rel. 28, Last sequence update)
8-FBE-1003 (Rel. 41, Last annotation update)
Adipokinetic hormone (AKH).
Libeliula auripennis (Skimmer dragonfly).
Eukaryota, Metazoa, Arthropeda, Hexapoda, Insecta, Pterygota, Palaeoptera, Odonata, Anisoptera, Libeliulidae, Libellula.
                                                                                                                                                                                                                                                                                                                                                       Score 14; DB 1; Length 7; Pred; No. 1.3e+05; i. Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. 1.3e+05;
2; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                       NON_TER 7 7 7 SEQÜENCE 7 AA; 923 MM; 69D76724486B5740 CRC64;
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MEDLINE=90359055; Pubmed=2390213;
                                                                                                                                                                                                                                                                                                                                                             27.5%;
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Best Local Similarity 50.00,
hac 2; Conservative
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Mable A.S., Shaw C., Halton D.W., Thim L.; "GNFFRfamide: a nove: FMRFamide-immunoreactive peptide isolated from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           using preparative two-dimensional gel electrophoresis.";
Electrophoresis 15:735-745(1994).
-!- MISCELLANEOUS: CN THE 2D-GEL THE DETERMINED PI OF THIS UNKNOWN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TISSUE=Fibrobiast;
MEDLINESS009907; PubMed=7521108;
MEDLINESS009907; Patherson R.M., Wichter L.L., He C., Selkirk J.K.;
"Separation and sequencing of familiar and novel murine proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-OCT-1994 (Rel. 30, Created)
01-OCT-1994 (Rel. 30, Last sequence update)
01-FEB-1995 (Rel. 31, Last annotation update)
Unknown protein from 20-page of fibroblasts (PS0) (Fragment).
                        Comp. Neurol. 419:352-363(2000).
- PUNCTION: MEDIATES VISCERAL MUSCLE CONTRACTILE ACTIVITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27.5%; Score 14; DB 1; Length 8; 50.0%; Pred. No. 1.38+05; tive 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                            27.5%; Score 14; DB 1; Length 8; 100.0%; Pred. No. 1.3e+C5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Platyhelminthes; Cestoda; Eucestoda;
Cyclophyllidea; Anoplocephalidee; Moniezia.
NCBI_TaxID=28841;
                                                                                                                                                                                                                                8 AA; 884 MW; C834176DD9D77775 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PROTEIN IS: 5.2, ITS MW IS: 50 KDa.
TER 8 8
ENCE 8 AA, 817 MW; A35DD87867680581 CRC64;
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                                                           FMR.Famide-like neuropeptide GNFRF-amide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Moniezia expansa (Sheep tapeworm)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-NOV-1995 (Rel. 32, Created)
      the American cockroach."; J. Comp. Neurol. 419:352-
                                                                                                                                                                                                                                                                                              Best Local Similarity 100.
Matches 2; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus (Mouse).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
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01-NOV-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       UF06 MOUSE
P38644;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FARP MONEX P41966;
                                                                                                                                                                                                                                   SEQUENCE
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                                                                                                                                                                                                                                                                            Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 12
UF06_MOUSE
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X MEDLINE=94342269; PubMed=8063725;

X MEDLINE=94342269; PubMed=8063725;

X Dolhsen A.H.; Scott A.G.; East P., Thorpe A.;

Y Johnsen A.H.; Scott A.G.;

X Dolhsen Johnsen A.H.; Scott A.G.;

X Dolhsen Johnsen A.H.; Scott A.G.;

X Dollsen Johnsen John
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C1-NOV-1995 (Rel. 32, Created)
O1-NOV-1995 (Rel. 32, Last sequence update)
15-52P-2003 (Rel. 42, Last annotation update)
Callarostatin 5 (Met-callatostatin 1) ([Hyp3]Met-callatostatin).
Calliphora vomitoria (Blue blowfly).
Eukaryota, Metazoa, Arthropoda, Hexapoda, Insecta, Pterygota,
Neoptera, Endopterygota, Diptera, Brachycera, Miscomorpha, Oustroidea,
Calliphoridae, Calliphora.
                                                                                                                                                                                                                                                Duve H., Johnsen A.H., Scott A.G., Yu C.G., Yagı K.J., Tobe S.S., Thorpe A.;
"Callatostatins: neuropeptides from the blowfly Calliphora voritoria with sequence homology to cockroach allatostatins.";
Proc. Natl. Acad. Sci. U.S.A. 90:2456-2460(1993).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINEL20189894; PubMed=10723010;
Predel R., Eckert M.;
"Tayma-specific distribution of FXFSLamides in the nervous system of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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Eukaryota: Metazoa; Arthropoda; Hexapoda: Insecta, Piezygota;
Neoptera; Orthopteroidea; Dictycptera; Blattaria; Elattoldea;
Blattidae; Periplaneta.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE=97353923. PubMed=9210163,
Predel R., Kellner R., Kaufmann R., Penzlin H., Guese G.;
"Isolation and structural elucidation of two pyrokinins from
retrocerebral complex of the American cockroach.";
Peptides 18:473-478 (1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27.5%; Score 14. DB 17 Length 8.
100.0%; Prod. No. 1.30+05;
tive 0; Mismatches 0; indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Metropeptide, Amidation, Hydroxylation.
MOD_RES 8 RANDATION (20%).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16.0CT-2001 (Rel. 40, Created)
16.0CT-2001 (Rel. 40, Last sequence updatu)
16.0CT-2001 (Rel. 40, Last annotation update)
Pyroxinin-2 (Pea-PK-2) (FXPRL-amide).
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                                                                                                                                                                                                                                                                                                                                                                             CHARACTERIZATION, AND HYDROXYLATION
                                                                                                                                                                                                                              MEDLINE:93211980; PubMed:8460157;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 2, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STANDARD;
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SEQUENCE
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the shoep tapeworm, Moniezia expansa.";
Blochem, Biophys, Res. Commun. 193:1054-1060(1993).
-!-SIMILARITY: BELONGS TO THE FARP (FWRFAMIDE RELATE) REPTIDE)
FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Isolation and identification of multiple neuropoptides of the allacostatin superfamily in the shore ctab Carcinus maenas.";
Eur. J. Biochem. 250:727-734(1997).
-:- FUNCTION: MAY ACT AS A NEUROTRANSMITTER OR NEUROMODULATOR.
-:- SIMILARITY: BELONGS TO THE ALIATOSTATIN FAMILY.
Neuropeptide: Amidation; Multigene family.
MOD_RES.
8 8 AMIDATION.
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TISSUE=Cerebral ganglion, and Thoracic ganglion,
MEDLINE=98121193; PubMed=9461295;
Thore H., Johnson A.H., Maestro J.-L., Scott A.G., Jarcs P.P.,
Thorpe A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Duve H., Johnsen A.H., Maestro J. L., Scott A.G., Jatos H.P.,
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Eukaryota, Metazoa, Arthropoda, Crustacea, Malacostraca,

Eukaryotaca, Eucarida, Decapoda, Pleocyemata, Bruchyura,

Eubrachyura, Portunoidea, Portunidae, Carcinus.
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Carcinus medas (Common shore crab) (Green crab).
Eukaryota; Metazoa; Arthropoda; Crustacea; Malacostraca;
Eumalacostraca; Eucarida; Decapoda; Plecoyemata; Brachyura;
Eubrachyura; Portunoidea; Portunidae; Carcinus.
NCB: TaXID=6759;
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                                                                                                                                                                     8 AA; 813 WW; 7C286B45AB476878 CRC64;
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30-WAY-2000 (Rel. 39, Last sequence update)
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30-MAY-2000 (Rel. 39, Last annotation update)
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GenCore version 5,1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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22 22 23 25 24 24 24 24 24 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26	11098 PRELIMINAR 11099 -NOV-1996 (TrEMBLrel -NOV-19	Query Match Best Local Similarity 7 Matches 3; Conservati ' 2 GGHF 5 ' 5 GWHF 8
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MEDELNE-97049323; Pubmed=8894053;
Venta P.J., Brouillette J.A., Yuzbasiyan-Gurkan V., Brewer G.J.;
"Gene-specific universal mammalian sequence-tagged sites: application
                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A. Vexander L., Yuzbasiyan-Gurkan V.; Venta P.J., Cao Y., Alexander L., Yuzbasiyan-Gurkan V.; "Dinucleotide repeat polymorphism in the canine retinoblastoma (RBI)
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Sperratophyta; Magnollophyta; Liliopsida; Poales; Poaceae; Pooldeae;
Triticeae; Amblyopyrum.
Canis familiaris (Jog).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Carnivora; Fissipedia; Canidae; Canis.
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STRAINEHSTS, TISSUELEaf;
WEDLINE=97216.48; PubMed-9126564;
Petersen 5., Seberg 0.;
PipHologenetic analysis of the Triticeae (Poaceae) based on rpoA sequence data.
Mol. Phylogenet. Evol. 7:217-230(1997).
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EMBL-AF155737, AA03807.1; -. 1
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Local Similarity 66.7%; Pred. No. 8.3e+05;
les 2; Conservative 0; Mismatches 1;
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P92393;
01-MAY 1997 (TREMELLE): 03, Created)
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                                                                                NCBI_TaxID=9615;
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0
                                                     Myoglobin (Fragment).
Erythrura gouldiae (Gouldian finch).
Eukaryota; Metaroa; Chordata; Craniata; Vertebrata; Euteleosfomi;
Archosauria; Aves; Neognathae; Passerifornes; Passkroidea; Passeridae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Evidence for insufficient chontouy; in differentialize, furing repair of tull-thickness defects of attential ratiolize ", Astrix Biol, 15:39-47(1996).
                                                                                                                                                                                                                                                                                                                                           MEDLINE=98208049; PubMed=9548272; Haverstock F.R.; Haslewood M.M., Elphinstone M.S., Tidemann S.C., Raverstock F.R.; "Myoglobin intron variation in the Gouldian Finch Erythrusa gouldiae assessed by temperature gradient gcl electrophores:s."; Electrophoresis 19:142-151(1998) EMBL: U40496; AAC60363.1; --
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ol JUL-1997 (TrEMBLEEL, 04, Last sequence update)
ol DEC-2003 (TrEMBLEEL, 19, Last annotation update-
pro alpha 1 type IXI collagen protein (Fragment).
Orycolagus cuniculus (Rabbit)
Eukaryota, Metazaa, Chordata, Creitata, Verrebiaia, But Ammalia; Eutheria, Lagomorpha, Leporidae, Oryctolagus.
01-NCV-1996 (TrEMBLrel. 01, Last sequence update) 01-NOV-1998 (TrEMBLrel. 08, Last annotation update)
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N.W. 1999 (TrEMBirel. 12, Last sequence update)
01.NOV-1999 (TrEMBirel. 12, Last amnotation update)
Petinoblasiona protein (Fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8 AA; 890 MW; C6C1F2C865B046DE CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             . H.
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Matches 3; Conserv
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                                                                                                                                                                                                               NCBI_TaxID=44316;
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Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Sperratophyta, Magnollophyta, Liliopsida, Poales, Poacea, Pooldeae,
Tritineae, Aegilops.
NCBL TaxID-37682,
                                                                                                                                                         Chloroplast.
Eukaryota, Viidiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae, Pooideae,
Triticeae, Peridictyon.
                                                                                                                                                                                                                                                                                                                                                                                Petersen G., Seberg O.; "Petersen G., Seberg O.; "Phylogenetic analysis of the Triticeae (Poaceae) based on rpoA sequence data."; "Phylogenet. Evol. 7:217-230(1997).
EMBL; Z77749; CAB01325.1: -.
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01-MAY-1997 (TrEMBLrel. 03, Last sequence update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
01-MAY-1997 (TrEMBLrel. 03, Created)
01-MAY-1997 (TrEMBLrel. 03, Last sequence update)
01-DEC-2001 (TrEMBLrel. 13, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chloroplast.
NON TER 1 1 1
SEQUENCE 7 AA, 894 MW, 6734140333277700 CRC64;
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EMBL: Z77758; CAB01352.1;
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                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
STRAIN=H5575; TISSUE=Leaf;
MEDLINE=97271648; Pubmed=9126564;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE FROM N.A.
STRAIN=H6668; TISSUE=Leaf;
MEDLINE=97271648; Pubmed=9126564;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ribosomal protein 11 (Fragment).
                                                                               Ribosomal protein (Fragment)
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                                                                                                                               Peridictyon sanctum.
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                                                                                                                                                                                                                                                         NCBI_TaxID=37683;
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در
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P92221
ID P92221
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01.MAY.1997 (TrEMBirel. 03, Last sequence update)
01.MAY.1997 (TrEMBirel. 19, Last sequence update)
01.DEC-2001 (TrEMBirel. 19, Last annotation update)
Ribosomal protein 11 (Fragment).
Lophopyrum elongatum (Tail wheatyrass) (Argopyrum elongatum).
Chloroplast
Chloroplast
Spermarophyra; Magnollophyta; Entropsida; Entrophyra; Tracheophyta;
Triticeae; Lophopyrum.
NCBL TaxID-4588;
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                                                                                                                                            Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tiacheophyta,
Spermatophyta, Magnoliophyta, biliopsida, Poales, Poaceae, Pooldeae,
Tritioeae, Hordeum.
NCBI_TaxID=4513,
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MEDLINE=97271648; PubMed=9126564;
Petersen G., Seberg O.;
Phylogenetic analysis of the Triticeae (Foaceae) tused on tpoA sequence data.";
MoI. Phylogenet: Evol. 7:217-230(1997).
                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
STRAINSH-11399; TISSUE-Leaf;
MEDLINE=97271648; PubWed=9126564;
Petersen G., Seberg O.;
Phylogenetic analysis of the Triliceae (Poaceae) based on rpch sequence data.
Nol. Phylogenet: Evol. 7:217-230(1997).
Chlocoplast.
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27.5%; Scote 14; E3 8; Length 7;

Best Local Similarity 100.0%; Pred. No. 8.3e+05;

Matches 2; Conservative 0; Mismatches 0, Indels
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  61-MAY-1997 (TrEMBLrel, 03, Last sequence update)
61-DEC-2061 (TrEMBLrel, 19, Last annotation update)
Ribosomal protein 11 (Fragment).
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SEQUENCE 7 AA; 894 MW; 6734140333277730 CRC64;
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SEÇÜENCE 7 AA; 894 MW; 6734:40333277703 GRC64;
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                                                                                                               Hordeum vulgare (Barley).
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ID P9
AC P9
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Hordeum brachyantherum.
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TISSUE=Leaf;
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NCN TER
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Spermatophyta, Magnollophyta, Diliopaidar Policy Foresty for Ideae,
Triticaea, Pseudovoegneria.
                                                                                                                                                            Enkaryota, Viridiplantae, Streptophyta, Enhiyophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Praceae, Posideae,
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SECUENCE FROM N.A.
STRANHE-90827, T.SSUE=Leaf;
MEDLINE=97271648; Pubyed=9126564;
Petersen G., Seberg O.;
Phylogenetic analysis of the Tilliceae (Fracede: Lused on :pcA
                                                                                                                                                                                                                                                                                        STRAIN=CSA414, TISSUE.Leaf;
MECLINE=97271648; PubMed=9126564;
Petersen G., Scherg O.;
Phylogenetic analysis of the Triticeae (Poaceae) hased on rgoA sequence data.";
Mol. Phylogenet: Evol. 7:217-230:1997).
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SEQUENCE 7 AA, 894 MW; 6734140333277700 CRC64;
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51-MAY-1997 (TrEMBLrel. 03, Last sequence update)
61-JUN-2002 (TrEMBLrel. 21, Last annotation update)
Ribosomal protein 11 (Fragment).
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Mol. Phylogenet. Evol. 7:217-238:1399).
EMBL; Z77744; CAB01318:1; -.
                                                                                                                         Bromus inermis (Smooth brome grass)
                                                                                 Ribosomal protein 11 (Fragment). RPS11.
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Spermatophyta, Magnoliophyta, inliopsida, Poales, Poaceae, Pooideae,
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NCNI_TaxID=52712;
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STRAIN=H5556, TISSUE=Leaf;
MEDLINE=97211648; PubMed=9126564;
Petersen G., Seberg C.;
"Phylogenetic analysis of the Triticeae (Poaceae) based on rpoA sequence data.";
Mol. Phylogenet. Evol. 7:277-230(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Petersen G., Seberg O., "Phylogenetic analysis of the Triticeae (Poaceae) based on rpoA sequence data."; Sequence data."; Mol. Phylogenet. Evol. 7:217 230(1997).
EMBC, Z77761; CABC1361.1; -.
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01-DEC-2001 (TrEMBirel. 19, Last annotation update)
Ribosomal protein 11 (Fragment)
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01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
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RESULT 14

Search completed: November 5, 2003, 17:22:18 Job time : 28.5 secs

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Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; Pooldeae;
Triticeae; Agropyron.
NCBI_TaxID=4593;
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Spermatophyta, Magnoliophyta, Liliopsida, Foales, Prichae, Fooldeae,
Triticeae, Thinopyrum.
                                                                                                                                                                   SEQUENCE FROM N.A.
STRAIN=H4349; TISSUE=Leaf;
MCDLJNE=97271648; PubMed=9126564;
Petersen G., Seberg O.;
Phylogenetic analysis of the Trilloeae (Foaccae) based on mpch
sequence date.
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SEGURNTE FROM N.A.
STRAIN-H6725, TISSUE-Leaf,
PETETERS G., Seberg O.,
Peteters G., Seberg O.,
"Phylogenetic analysis of the Triticede (Poducau) hared on rpoA
sequence data."; Tissuel. 7:217-230(1997).
Mol. Phylogenet. Evol. 7:217-230(1997).
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01-DEG-2001 (TrEMBLrel. 19, Last addition update)
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EMBL: 277771; CAH01391.1; -.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2002-489648/52
                                                                                                                             WPI; 2001-521967/57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 GGGHFPPT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8 A.A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WC200216409-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Home sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-FEB:2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Friede M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABJ0022
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                The present invention describes a peptide (1) comprising an isolated surface exposed group/epitope (EI) of C-epsilon-2 domain (D) of immunoglobuline (198b) or its mimotopen. Also described are: (1) an immunoglobuline (198b) or its mimotopen. Also described are: (1) an immunogen (II) for treating allergies comprising (II); (2) a vaccine (III) for treating allergies comprising (II); (3) a ligand (IV) capable of period of paramaceutical composition (PC) comprising (IV); (2) a peptide (1a) capable of being recognised by (IV); (6) an immunogen (IIa) comprising (Ia) and (7) producing (II) by producing (II). (1) can have antial-ergot and immunosuppressive activities, and can be used as a vaccine and histamine release inhibitor. (I), (II) and (III) are useful in medicine and in the manufacture of redicaments for treating an existence of preventing allergies. (IV) is useful for treating medicaments for treating allergies. (IV) is useful in diagnostics and in the affinity purification of circulating antibodies from blood. (I), (III) and PC are useful for treating a patient susceptible to or suffering from allergies. (IV) is also useful in diagnosing atopy. AAB2899 represent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Caps :
                                                                                                                                                                                                                     Peptides useful for treating, preventing and amplicating allorgic diseases, comprising an isolated surface exposed group of a specific domain from immunoglobulin E.
                                                                                                        Greenwood J, Hewitt E, Lamont A, Mason S, MG, Van Mechalen MP, Vinals be Pausols YC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human: linkage technology; conjugated compound; carrier vehicle; epitope; Cepsilon2; Cepsilon3; Cepsilon4; immuniqi, dulin E; igE mediated disease; antibody response.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100.0%; Somme 51, PB 21; Length 8, 100.0%; Pred, No. 9.3e+05, 100.0%; Ive. 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Peptide PS derived from Cepsilon2 region of human 198
                                         (SMIK ) SMITHKLINE BEECHAM BIOLGGICALS. (PEPT ) PEPTIDE THERAPEUTICS LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAU16636 standard, Peptide, 8 AA
                                                                                                                                                                                                                                                                                                             Claim 6; Page 5; 129pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21-CEG-1999; 99GB-0030233.
22 FEB-2000; 2000GB-0004096.
22-AUG-2000; 2000GB-0020707.
22 AUG-2000; 2000GB-0020709.
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  99GB-0027698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          07 NOV-2001 (tirst entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                  Turnell WG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Overy Mutch
Best Local Similarity
This 8, Conserve
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                                                                                                                                                                              WPI; 2000 572073/53
                                                                                                             Friede M,
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                                                                                                                                  Randall R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAU16636;
                                                                                                             Dyson M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAU16636
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The present invention relates to linkage methodology for use in the conjugation of compounds (e.g. peptides) to carrier vehicles

(e.g. macromolecules, polymers, dendrimers, proteins) to produce

biological and immunological constructs. The invention provides a
method for linking an epitope (e.g. a peptide) to a carrier (e.g. a
protein) for use in a pharmaceutical composition or a vaccine. The
invention describes peptides derived from or mimotopes of the
compositions of the invention are used to produce conjugated compounds. The compounds

compositions of the invention are useful in the manufacture of a
medicament for the treatment of IgE mediated diseases. The invention
allows for controlled conjugation of a peptide epitope (antigen) to a
protein so as to form an immunogenic conjugate which may be able to
craise a protective antibody response in an animal or human patient.

AAU16632-AA016913 represent peptides derived from or mimotopes of
the Cepsilon2/Cepsilon3/Cepsilon4 region of human IgE.
an immunogenic conjugate useful treatment of IgE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Immunogen; human; IgE; immunoglobulin E; allergy; thio-ether linkage;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conjugate for use in vaccine for treatment of allergy, comprises disulfide bridge cyclized peptide and immunogenic carrier.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            100.0%; Score 51; DB 22;
100.0%; Pred. No. 9.3e+05;
ative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human igE immunogenic peptide SEQ ID NO: 5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SMIK ) SMITHKLINE BEECHAM BIOLOGICALS. (PEPT-) PEPTIDE THERAPEUTICS LTD.
                                                                                                                             Example 4; Page 21; 48pp; English.
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recognising E1; (4) a pharmaceutical composition (PC) comprising (IV);
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                                                                                                                                                    6 A.A.;
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                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200145745-A2.
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22-AUG-2000;
                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiers
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                                                                                                                                                                                                                                                                                                                            07-NOV-2001
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                                                                                                                                  nvertion.
                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                    Sequence
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                                                                                                                                                                         Query Match
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                                     where the conjugate comprises a disulphide bridge cyclised peptide and an immunogenic carrier. The vaccines can be used in the treatment of allergies. The present sequence is a peptide immunogen derived from human immunoglobulin E (IgB) suttable to be cyclised and used in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes a peptide (I) comprising an isolated surface exposed group/epicope (E1) of C-epsilon-2 domain (D) of immunoglobulin E (19B), or its minotope. Also described are: (I) an immunogen (II) for treating allergy comprising (I), (2) a vaccine (III) for treating allergy comprising (I), (3) a ligand (IV) capable of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Peptides useful for treating, preventing and a-chievaling allergic diseases, comprising an isolated surface exposed group of a specific domain from immunoglobulin {\bf E} -
                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                       Epitope, mimotope, human, immunoglobulin E; IgE; C.epsilon-2 domain, allergic disease, immunoprophylaxis, immunotherapy, autiallergic; immunosuppressive, vaccine; histamine release inhibitor; immunogen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       nwood J, Hewitt E, Lamont A, Mason S
Van Mechelen MP, Vinals De Bussols YC;
                                                                                                            100.0%; Score 51; DB 23; Length 8; 100.0%; Pred, No. 9.3e+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (SMIK ) SMITHKLINE BEECHAM BIOLGGICALS. (PEPT:) PEPTIDE THERAPEUTICS LTD.
                                                                                                                                                                                                                                                                                      P5 mimotope peptide P5sh SEQ ID NC:28.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page 9; 129pp; English.
                             The present invention relates to
                                                                                                                                                                                                                           AAB25934 standard, Peptide, 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Greenwood
         Claim 4; Page 9; 45pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                     99GB-0007151.
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993B-0018603
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       99GB-0021046
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                                                                                                Guery Match
Best Local Similarity 100.00
Best Local Similarity 100.00
                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Friede M, Gre
Turnell WG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2000-572073/53.
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                                                                                                                                                    1 GGGHFPPT
                                                                                                                                                               1 GGGHFPPT
                                                                                                                                                                                                                                                                                                                                         allergy; atopy
                                                                                                                                                                                                                                                                                                                                                            Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                       22 FEB-2000;
                                                                                                                                                                                                                                                                  05-JAN-2001
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29-MAX-1999,
                                                                                                                                                                                                                                                                                                                                                                                                                                                              C7-MAY-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C7-SEP-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27-SEP-1999;
29 OCT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Dyson M, F
Randall R,
                                                                                                                                                                                                                                              AAB25934;
                                                                                         Sequence
                                                                                                                                                                                                    RESULT 4
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(5) a peptide (14) capable of being recognised by (17); (6) an immunogen (13) comprising (14); and (7) producing (111) by producing (11). (1) can have antiallergiz and immunosuppressive activities, and can be used as a vaccine and histamine release inhibitor. (1), (11) and (111) are useful in medicine and in the manufacture of medicaments for treating and preventing allergies. (17) is useful for identifying mimotopes of Pi, in medicine and also in manufacturing medicaments for treating allergies. (17) is useful in diagnostics and in the affinity purification of circulating anti-igs artibodies from blood. (1), (111) and PC are useful in diagnosting and in the affinity purification of circulating anti-igs artibodies from blood. (1), (111) and PC are useful in diagnosing atopy. ABS2807 to ABS2609 represent peptide sequences which are used in the exemplification of the present.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              an immunogenic conjugate useful treatment of IgE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention relates to linkage methodology for use in the conjugation of compounds (e.g. peptides) to carrier vehicles (e.g. mercmonlecules, polymers, dendriners, proteins) to produce biological and immunological constructs. The invention provides a method for liking an epitope (e.g. a peptide) to a carrier (e.g. a protein) for use in a pharmaceutical composition or a vaccine. The invention describes peptides derived from or mimotopes of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Peptide P5sh derived as mimotope of Cepsilon2 region of human IgE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human, linkage technology, conjugated compound, carrier vehicle, epitope, Cepsilon2, Cepsilon3, Cepsilon4, immunoglobulin E, IgE mediated disease, antibody response.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   78.4%; Score 40; DB 21; Length 6; 100.0%; Pred. No. 9.3e+05; ive 0; Mismatches C; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAU16659 standard; Peptide; 6 AA
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2000GB-0020707.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-521967/57.
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tyrosinase inhibitor; melamin; skin cosmetic.
                                                                                              Pseudosteralin F, a cyclic octapeptide
                          AAR98050 standard; peptide; 8
                                                                                                                                          Pseudostellaria heterophylla
                                                                       01-AUG-1996 (first entry)
                                                                                                                                                                              Modified-site
                                                                                                                                                                                                                            Modified-site
                                                                                                                                                                                                                                                                                                             10-MAY-1994;
                                                                                                                                                                                                                                                                                      12-DEC-1995
                                                 AAR 58050;
              AAR98050
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention relates to conjugates suitable for use in vaccines, where the conjugate comprises a distilphide bridge cyclised peptide and an ammunogenic carrier. The vaccines can be used in the treatment of allergies. The present sequence is a peptide immunogened from human immunoglobulin E (1gE) suitable to be cyclised and used in the invention.
Cepsilon2, Cepsilon3 or Cepsilon4 regions of human immunoglobulin E (IgE) which are used to produce conjugated compounds. The compounds or compositions of the invention are useful in the manufacture of a medicament for the treatment of 1gE mediated diseases. The invention allows for controlled conjugation of a peptide epitope (antigen) to a protein so as to form an immunogenic conjugate which may be able to raise a protective antibody response in an animal or human patient. AAUL6612 AAUL6913 represent peptides derived from or innotopes of the Capsilon2/Cepsilon4 region of human [qs].
                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                        Tmmunogen, human, IgE, immunoglobulin E, alleigy, thio-ether linkage,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conjugate for use in vaccine for treatment of alleigy, comprises
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          disulfide bridge cyclized peptide and immunogenic carrier
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 6;
                                                                                                                                             herati 6,
                                                                                                                                                                    :nde:s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   78.4%; Score 40; EB 23; L 100.0%; Pred. No. 9.3e+05; ive C; Mismatches 0;
                                                                                                                                            DB 22; ; . 9.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Vinale Pressis
                                                                                                                                                                                                                                                                                                                                                 Human 1gE immunogenic peptide SEC ID NC: 17.
                                                                                                                                                                   0; Wismatches
                                                                                                                                             78.4%; Score 40;
100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SMIK ) SMITHKLINE BEECHAM BICLOGICALS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mason S, Turnell WG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (PEPT-) PEPTIUE THERAPEUTICS LTD.
                                                                                                                                                                                                                                                                           ABJ00233 standard; Peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 4; Page 9; 45pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22 ATK3-2000; 2000GB-0020717.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17 AUG-2001; 2001WO-EP09576
                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                               Guery Match
Best Local Similarity 1000.
                                                                                                                                                                                                                                                                                                                                                                                     vaccine; antiallergic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2002 489648/52.
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Best Local Similarity
                                                                                                                                                                                         GGHFPP 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6 ZA;
                                                                                                                      6 A.A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                 WD200216409-A2
                                                                                                                                                                                                                                                                                                                         02-SEP-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Friede M,
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                                                                                                                                                                                                                                                                                                   ABC00233;
                                                                                                                        Sequence
                                                                                                                                                                                                                                                      RESULT 6
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/note= "not an N-terminal: this amino acid condenses with the C-terminal to form

Location/Qualifiers

8 /note= "not a C-terminal; see above"

94JP-0116499

a cyclic peptide"

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                          New cyclic peptide(s) designated pseudosteralin A-G - are tyrosinase inhibitors and melanin formation inhibitors useful in skin cosmetics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Split intern; peptide cyclisation; trans splicing; peptide library; peptide screening; cyclic ester intermediate; Ssp DnaE C-intein; plasmid pARCP-p; plasmid pARCBD-p; pseudostellarin F; cyclic.
                                                                                                                                                                                                                                                              The cyclic peptide is one component of the peptides designated pseudosteralins A-G which have been extracted from Taishijin root. These peptides are tyrosinase inhibitors and melanin formation inhibitors which are useful in skin commetics. Pseudosteralins A, B, C, D, E, F and G demonstrated tyrosinase inhibiting IC50 values 131, 187, 63, 106, 175, 50 and 75 microM resp., compared with a value of 1.2 mM for arbutin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 28; DB 17; Length 8; Pred. No. 9.3e+05; 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB11894 standard; peptide; 8 AA
                                                                                                                                                                                                                             Claim 6; Page 2; 13pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  54.9%;
94JP-0116499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14-NOV-2000 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Cyclic pseudostellarin F.
                                                                    (HONS ) YAKULT HONSHA KK.
                                                                                                               MPI; 1996-065475/07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                             (ITOG/) ITOGAWA H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2 GGHFPP 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 GGYLPP 6
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30-MAY-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence
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Indels:

Conservative

Matches

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Pseudostellarin F (linear)
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Marches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 10
The invention relates to methods of producing cyclic peptides which utilise the trans splicing ability of split inteins to catalyse of validation of a peptide from a precursor peptide. The procursor peptide has a target peptide interposed between two portions of a split intein. The interaction of the two portions of the split intein creates a catalytically active intein, and also forces the target peptide into a competituation that stabilises the ester isomer of the amino acid at the junction between one of the intein portions and the rarget peptide. Or the junction between one of the intein portions and the rarget peptide of form a cyclic ester intermediate. The active intein catalyses the coract peptide, which spontaneously rearranges to form the coract peptide, which spontaneously rearranges to form the carget peptide spontaneously rearranges to form the cyclic days and larked by the two portions of the spit intein; the carget peptide flanked by the two portions of the spit intein; the cyclic deptide flanked by the two portions of the minion of a larnat intermediate; methods of several molecules of the invention are used for making cyclic peptide; their and peptide of the invention are used for making cyclic peptides the present confined intermediates. The methods can be used for their cities the present the presence of a predetermined confined and periods of confidence of the present confined predetermined and arranged predetermined by the confined and peptides of confined the present confined predetermined and arranged predetermined by the confined present confined the present confined predetermined by the confined present confidence of the present confined predetermined by the confined confined by the confined predetermined by the confined confined by the present confined by the confined confined by the confi
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                                                           /note= "The C-terminus condenses with the N terminus to
                                                                                                                                                                                                                                                                                                                                          Non-naturally occurring nucleic acid molecule encodes a rarget peptide produced in a host system in a cyclized form or as a splicing intermediate of the cyclized form -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Saps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sequence represents cyclic pseudostellarin F which was generated in the exemplifications of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 28; DE 21; Length 8;
Pred. No. 9.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1; :::00:5
                                                                             form a cyclic peptide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1; Yismatches
                                                                                                                                                                                                                                                                                  Scott CP, Abel-Santos EV;
                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AABILB96 standard, Protein, 8 AA
                                                                                                                                                                                                                                                                                                                                                                                                             Examples, Page 44; 92pp; English
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                                                                                                                                                                                                                                                     (PENN ) PENN STATE RES FOUND.
                                                                                                                                                                         99WO-US30162
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Matches 4, Conservative
                                                                                                                                                                                                                                                                                                                WPI; 2000-431582/37.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2 GGHFPP 7
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2 GGYLPP 7
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                                                                                                            W0200036093-A2
                                              Mod:fied site
                                                                                                                                                                                                                                                                                  Benkovic SJ,
                                                                                                                                                                                                                    19891-100 (0
Unidentified
                                                                                                                                                                         .8-DEC-1999;
                                                                                                                                                                                                        18-DEC-1998;
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AAB11896
10 AAB1
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AC AAB1
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DT 14-N
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The invention relates to methods of producing cyclic peptides which utilise the trans splicing ability of split interior to catalyse cyclisation of a peptide from a precursor peptide. The precursor peptide has a target peptide interposed between two portions of a split interior. The interaction of the two portions of the split interior creates a catalytically active interior, and also forces the target peptide interior. The interior of the amine acid at the junction between one of the interi portions and the target peptide. A heteroatom from the other interior portions and the target peptide. Corm a cyclic ester intermediate. The active interior catalyses the form of an aminesuccinimide that liberates a cyclised form of the terracdynamically favoured backbone cyclic peptide product. The carget peptide, which spontaneously rearranges to form the therredynamically favoured backbone cyclic peptide product. The interior, aspected hasked by the two portions of the split. Interior, expression vectors and host cells comprising the nucleic acid interior, and methods of screening peptides. The nucleic acid molecules the invention are used for making cyclic peptides and peptide of the invention are used for making cyclic peptides and peptide of the invention are used for making cyclic peptides and peptide of the invention are used for making cyclic peptides and peptide of the invention are used for making cyclic peptides and peptide of the ability to specifically bind a target molecule. The present sequence represents pseudostellarin F in its linear form. Plasmids a paging and page molecules the ability to specifically interplant in a paging and an engage molecules. The present sequence represents pseudostellarin F in its linear form. Plasmids the present and periods and periods presented and periods and peri
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Non-naturally occurring nucleic acid molecule encodes a target peptide produced in a host system in a cyclized form or as a splicing intermediate of the cyclized form -
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Split intein, peptide cyclisation, trans splicing, peptide library, peptide screening, cyclic ester intermediate, Ssp DnaE C-intein, plasmid pARCB-p; plasmid pARCBD-p; pseudostellarin F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   .;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            pARCP-p and pARCBD plencode pseudostellarin F. Express plasmids generates cyclic pseudostellarin F (AAB11894)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Benkovic SJ, Scott CP, Abel-Santos EV;
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                                                                                                                                                                                                                                                                                               WO200036093-A2.
                                                                                                                                                                                                    Unident ified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .8-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-OCT-1999;
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The peptide is an example of a synthetic peptide contg. a thiolactive cysteine residue and at least two positively charged amino active cysteine residue at the the N and/or C terminal sides of the thiolactive cysteine. The peptide is pref. amidated at the C-terminus. The peptides may be used in conjunction with an antibody complex comprising a domain specific for an antigenic determinant of a complex of human igh and alpha-lantitrypsin, for use in therapy of rheumatoid arthritis. Admin, is oral or parenteral.
                                                                                                                                                                                                                         New synthetic peptide(s) - cause dissociation or prevent formation of 19A-alpha-antitrypsin complex, useful for treating and preventing themstoid arthritis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           51.0%; Score 26; DB 14; Length 6; 100.0%; Pred. No. 9.3e+05; cive 0; Mismatches 0; Indels
                                                                                                                                           Stanworth DR;
                                                                                                  (BRIE-) BRITISH TECHNOLOGY GROUP LID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BRTE- ) BRITISH THURNOLOGY GROUP LID
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                                                                                                                                                                                                                                                                                                          Claim 1; Page 25; 38pp; English
                                                                                                                                           Kirby J, Lewin IV, Nayyar S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kirby J, Lewin IV, Nayyar S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Group II syntheric peptide 188
                     92GB-0024684
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              See also AAR36613-74
                                                                                                                                                                                    WPI; 1993-169522/21
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                     28-NOV 1992;
                                                            25-NOV 1991;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              25-NOV-1991;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A conjugate of an MRU comprises a fusion peptide having a first binding domain leng-having the sequence impresented in AABISLE-031 which is an MRU having binding specificity and affining for an artivated platelet fibrinogen receptor and a second effector domain (e.g. having the sequence represented in AARISC92-971 which has the ability to bind iron, see also AARISW9-97.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Thio-ractive cysteine, antibody, complex, themselved arthribs, theripy, 19A-alpha-antitrypsin.
                                                                                                                                         Molecular recognition unit; MRU; platele: finithops, resept no
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New conjugates of molecular recognition units - having irrabing domain for desired target site and second effector domain, useful in medicine, agriculture, waste management en
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100.0%; Pred: No. 9 0+05;
tive: 0; Miscorpuss 9; inten-
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/note= "amidated"
                                                                                                Metal binding effector domain (%)
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                                                       17 FEB-1992 (first entry)
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Matches 4, Conservative
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Modified site
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                   AAR15296;
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New synthetic population of dissociation or prevent formation of TuA alpha-antitrypsin complex, useful for treating
Thiol-antive cysteine, antibody, complex, rheumatoid arthritis, therapy, IgA-alpha antitrypsin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New targeting peptides identified by phage display, useful for treating a disease state, e.g. cancer, diabetes, inflammatory disease, atherosclerosis, autoimmune disease, bacterial or vital infection or
                                                                                                                                                                                                                                                                                                                                                                                                                                   Targetting peptide selective for human organ, tissue or cell type #205.
                                              The peptide is an example of a synthetic peptide conty. a thiolactive cysteine residue and at least two postrively charged amino acid residues situated at the the N and/or C terminal sides of the thiolactive cysteine. The peptide is pref. amidated at the C terminus. The poptides may be used in conjunction with an antibody comprising a domain specific for an antigenic determinant of a complex of human 19A and alpha-lantitypsin, for use in therapy of rheumatoid arthritis. Admin, is oral or parenteral.
                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human, cytostatic, antiinflammatory, antidiabetic, ratdicvascular, immunomodulator, antibacterial, antiviral, gene therapy, cancer, arthitis, diabetes, inflammatory disease, atherosclerosis, autoimmune disease, bacterial infection, viral infection; cardiovascular disease, degenerative disease.
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                                                                                                                                                                                                          51.0%; Score 26; DB 14; Length 7; 100.0%; Pred. No. 9.3e+05; ive 0; Mismatches 0; Indels
and preventing rheumatoid arthritis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 16; Fig 2B; 269pp; English.
                                                                                                                                                                                                                                                                                                                                                     ABG77672 standard; Peptide; 7 AA.
                         Ciaim 1; Page 25; 38pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     07-SEE-2001; 2001WC-US28044
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17-JAN-2001; 2001US-0765101.
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Best Local Similarity 190.
Matches 4; Conservative
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                                                                                                                                                       See also AAR36613-74
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                                                                                                                                                                                 7 AA;
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                                                                                                                                                                                   Sequence
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                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                Thiol-active cysteine; antibody; complex; rheumatoid arthritis;
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                                                             0; Indela
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See also AAR36613-74 and AAR37353-74.
              Score 26; DB 23; L
Pred. No. 9.3e+05;
51.0%; Sco...
100.0%; Pred. No. ...
... 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        therapy; IgA-alpha-antitrypsin.
                                                                                                                                                                                                                                                                                                                                                                                                                    Group 4 synthetic peptide 117
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              Query Match
Best Local Similarity
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equence encoded by the gene;

(iii) comprise 0.10 amino acid from the cathoxyl terminus of the normal pair of the protein sequence preceding the unino terminus of the normal pair of the protein sequence preceding the unino terminus of the mutant nequence and may further extend to the cathoxyl terminus of the mutant pair of the protein as determined by a new stop colon graciated by the first of the protein and determined by a new stop colon graciated by the rotation, and it is not fell (APC). The protein after processing by an action precenting cell (APC), The protein and the protein page of the same peptides are performed to the mutant of the protein and the protein sequence. The novel preprides can object The life protein and the protein and cannot be used franchish mutations. The novel peptides and DNA symmetry can be used franchish the propagation of a composition for the treather or preprint and composition for the treather or protein and pages.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Peptides AAY65684 Y66142 are fragments of mutant products arising from a framewhift mutation in a gene from a cancer cell. The peptides are characterised in that they:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       in are at least 8 amino acids long and a fragment of a mutant protein arising from a frameshift mutation in a gene of a rance; cell; (ii) consist of at least one amino acid of the mutant part of a protein
                                                                                                                                   Human, frameshift mutant; T cell response; tumour; treatment; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New peptides derived from genes with frameshift morations, used to develop products for the treatment and prophylaxis of cancers \|\cdot\|_2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 13; Page 29; 166pp; English
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                                                         10-FEB-2000 (first entry)
                                                                                                nomyc mutant peptide 2.
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C: Gaps 9 (400) 10 (100) 51.0%; Score 26; 58.21; 5. 100.0%; Pred, No. 7.54-75; ative 0; Mismatches 5; Ouery Match Best Local Similarity 100.5 * GGGH *

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Search completed: November 5, 2003, 19:20:36 Job time : 33.5 secs

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| cgn2_6/ptodata/2/pubpaa/USO7_PUBCCMB.pep:
2: /cgn2_6/ptodata/2/pubpaa/USO7_PUBCCMB.pep:
3: /cgn2_6/ptodata/2/pubpaa/USO6_PUBCCMB.pep:
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8: /cgn2_6/ptodata/2/pubpaa/USO9_PUBCCMB.pep:
9: /cgn2_6/ptodata/2/pubpaa/USO9_PUBCCMB.pep:
11: /cgn2_6/ptodata/2/pubpaa/USO9_PUBCCMB.pep:
12: /cgn2_6/ptodata/2/pubpaa/USO9_PUBCCMB.pep:
13: /cgn2_6/ptodata/2/pubpaa/USO9_PUBCCMB.pep:
14: /cgn2_6/ptodata/2/pubpaa/USO9_PUBCCMB.pep:
15: /cgn2_6/ptodata/2/pubpaa/USOP_PUBCCMB.pep:
16: /cgn2_6/ptodata/2/pubpaa/USOP_PUBCCMB.pep:
17: /cgn2_6/ptodata/2/pubpaa/USOP_PUBCCMB.pep:
18: /cgn2_6/ptodata/2/pubpaa/USOP_PUBCCMB.pep:
19: /cgn2_6/ptodata/2/pubpaa/USOP_PUBCCMB.pep:
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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Maximum Match 100%
Listing first 45 summaries
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	Sequence 276, App	Sequence 130, App	Sequence 7, Appli	Sequence 32, Appl	Sequence 225, App	Seguence 321, App	Sequence 32, Appl	Sequence 36, Appl	25,	Sequence 31, Appl	Seguence 75, Appl	Seguence 20, Appl	Sequence 18, Appl	Sequence 146, App	Sequence 1323, Ap
SUMMARIES		JS-10-082-014-276	JS-10-372-076-130	JS-10 058-636-7	JS-10-080-263C-32	US-09-774-639 225	5-09-969-730-321	S-10-012-035A-32	US-10-301-499A-36	S-09-229-751A-25	JS-09-229-751A-31	US-10-043-344-75	S-09 791-153A-20	JS-10-220-033-19	JS-10-043-344-146	US-10 226-007-1323
	DB ID	_	_	15 U	_	11 0	11 U	15 U	12 0	11 0	11 U	15 U	11 U	12 U	15 U	15 U
	Match Length DB	80	00	4	7	9	9	6 0	5	7	7	œ	7	7	æ	æ
Ouery	Match	100.0	100.0	51.0	51.0	49.0	49.0	49.0	47.1	45.1	45.1	45.1	43.3	43.1	43.1	43.1
	Score	5,	27	26	56	25	25	25	24	23	23	23	22	22	22	22
Result	No.	1	7	Э	4	'n	9	7	80	σ	0.1	1;	2,7	£ 3	14	15

Sequence 130, Application US/10372076
Publication No. US20030198645A1
GENERAL INFORMATION:
APPLICANT: Page, Markin
APPLICANT: Friede, Markin
TITLE OF INVENTION: STABILIZED HBc CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR

8

ò q

1 GGGHFPPT

RESULT 2 US-10-372-076-130

Sequence 1336, Ap Sequence 1349, Ap Sequence 13, App11 Sequence 296, App11 Sequence 21, App11 Sequence 22, App11 Sequence 22, App11 Sequence 22, App11 Sequence 22, App11 Sequence 23, App11 Sequence 24, App11 Sequence 24, App11 Sequence 27, App11 Sequence 27, App11 Sequence 27, App11 Sequence 296, App1 Sequence 27, App11 Sequence 64, App11 Sequence 65, App11 Sequence 66, App11 Sequence 66, App11 Sequence 67, App11 Sequence 68, App11 Sequence 68, App11	Length 8; Indels 0; Gaps 0;
8 15 US-10-226-007-1336 6 15 US-00-994-595-89 6 12 US-09-994-595-89 6 12 US-10-226-007-1349 6 13 US-09-994-595-89 7 9 US-09-73: 242A-24 7 9 US-09-73: 242A-24 7 9 US-09-73: 242A-24 7 1 US-09-994-727B-65 7 11 US-09-940-727B-65 7 12 US-09-940-727B-65 7 12 US-09-940-727B-65 8 15 US-10-144-1 8 15 US-09-940-727B-65 8 15 US-09-940-727B-65 9 10 US-09-980-187-64 9 12 US-09-980-187-65 9 11 US-09-980-187-66 9 12 US-09-980-187-66 9 12 US-09-980-187-66 9 12 US-09-980-187-66 9 12 US-09-980-187-68 9 12 US-09-800-187-68 9 13 US-09-800-187-68 9 14 US-09-800-187-68 9 15 US-09-800-187-68 9 16 US-09-800-187-68 9 17 US-09-800-187-68 9 18 US-09-	.0%; Score 51; DB 12; L. .0%; Pred. No. 5.8e+05; 0; Mismatches 0;
116 117 117 118 119 119 119 119 119 119 119 120 120 120 120 120 120 130 131 131 131 131 131 131 131 131 13	; SEQ 1D NO 276 ; LENGTH: 8 ; TYPE: PRT ; ORGANISM: Homo sapiens US-10-082-014-276 Query Match. Best Local Similarity 100 Matches 8; Conservative

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2 GGHF 5
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US-09-774-639-225
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APPLICAT: Glibert, Michel
APPLICAT: Glibert, Marren W.
APPLICANT: Wakarchuk, Warren W.
APPLICANT: Wakarchuk, Warren W.
APPLICANT: National Research Council of Canada
ITILE OF INVENTION: Lipopolysaccharide alpha-2,3 Stalyltransferase of
ITILE OF INVENTION: Campylobacter lejuni and Its Us-s
FILE REPERENCE: C14137-01321005
CURRENT APPLICATION NUMBER: US/09/22,960
PRIOR APPLICATION NUMBER: US/09/22,960
PRIOR APPLICATION NUMBER: US 60/078,891
PRIOR FILING DATE: 1999-03-18
NUMBER OF SEU ID NOS: 1
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US-10-680-263C-32
Squence 32 Application US/10080263C
Publication No. US20030143670A1
GENERAL INFORMATION:
APPLICANT: Bonini, James A.
APPLICANT: Huang, Ling-Yan
TITLE OF INVENTION: DNA ENCODING SWURF44 RECEFFOR
FILE REFERENTE: 1795/59370-A/JPW/ADMANX
                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
CURRENT PEPLICATION NUMBER: US/10/372,076
CURRENT FILING DATE: 2003-02-21
PRIOR APPLICATION NUMBER: 10/086,299
FRICK FILING DATE: 2002-02-21
FRICK APPLICATION NUMBER: 10/082,014
FRICK APPLICATION NUMBER: 2002-02-22
NUMBER OF SEC ID NOS: 308
SEC ID NO 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       // Sequence 7, Application US/10058636
// Publication No. US20030049270Al
// GENERAL INFORMATION:
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ORGANISM: Artificial Seguence
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Matches 8; Conservative
                                                                                                                                                                                                                                                                     CRGANISM: Homo sapiens
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Publication No. US200300355A1
GENERAL INFORMATION:
TITLE CF INVENTION: 90 Human. Secreted Proteins
FILE REPRENCE: PZ013P1
CURRENT APPLICATION NUMBER: US/09/774,639
CURRENT FILING DATE: 2001-07-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/244,i12
PRIOR FILING DATE: BARLIER FILING DATE: 1999-02-04
NUMBER OF SEQ ID NOS: 371
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 225
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                                                                                                                                                                                                                                                                   51.0%; Score 26; DB 12; L. 100.0%; Pred. No. 5.8e+35; tive 0; Mismatches 0;
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49.0%; Score 25; DB 11; I
Best Local Similarity 100.0%; Pred. No. 5.8e+05;
Matches 4; Conservative 0; Mismatches 0;
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TITLE OF INVENTION: 90 Human Secreted Proteins FILE REFERENCE: PC13P2
CURRENT FILING DATE: 2003-10-64
PRIOR PRIOR PLICATION NUMBER: 09/714, 639
PRIOR APPLICATION NUMBER: 09/714, 639
PRIOR APPLICATION NUMBER: 60/238,291
PRIOR FILING DATE: 2000-10-06
PRIOR FILING DATE: 2000-10-06
PRIOR FILING DATE: 1999-62-04
PRIOR FILING DATE: 1999-62-04
PRIOR FILING DATE: 1999-60-04
PRIOR PLILNG DATE: 1998-08-04
PRIOR PLILNG DATE: 1998-08-04
PRIOR PLILNG DATE: 1997-08-19
PRIOR FILING DATE: 1997-08-19
CURRENT APPLICATION NUMBER: US/10/090,263C
CURRENT FILING DATE: 2002-02-20
NUMBER OF SEQ ID NOS: 33
SOFTWARE: Patentin version 3.1
SEQ ID NO 32
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; Sequence 321, Application US/09969730

; Publication No. US2003CC54443A1

; GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 4; Conservative
                                                                                                                                                                                     ; ORGANISM: Homo sapiens
US-10-080:263C-32
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US-09-774-639-225
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RESULT 8

US-10-301-499A-36
; Sequence 36. Application US/10301499A
; Sequence 36. Application US/10301499A
; Publication No. US20030148932A1
; GENERAL INFORMATION:
; APPLICANT: Greene, Mark I.;
; APPLICANT: Murali, Mamachandran
; APPLICANT: Greene, Alan
; TITLE OF INVENTION: COMPOUNDS THAT BIND TO p185 AND METHODS OF USING THE SAME
; FILE REFERENCE: 4040/IX99-US1
; CURRENT APPLICATION NUMBER: US 60/331,499A
; CURRENT FILING DATE: 2002-11-21
; PRIOR FILING DATE: 2001-11-22
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.1
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TITLE OF INVENTION: PEPTIDE LIGANDS THAT BIND TO SURFACES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 5;
                                                                                                                                                                                                                                                                                                                       Length 8;
                                                                                                                                                                                                                                                                                                                  Score 25, DB 15, Length 8, Pred. No. 5.8e+05, 0, Mismatches 1; Indels
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                                                                                                                                                                                                             FEATURE: OTHER INFORMATION: Myristylistyl at position 1
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PRIOR APPLICATION NUMBER: US C8/861,338
PRIOR FILTNG DATE: 1997-05-21
NUMBER OF SEQ ID NOS: 41
SCFTWARE: FASISEO for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS.
ADDRESSEE: Glenna Hendricks
STREET: P.O. BOX 2509
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: synthetic peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 25, Application US/09229751A Publication No. US20030044838A1 GENERAL INFORMATION:
                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                       49.0%;
80.0%;
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TYPE: PRT
ORGANISM: Artificial Sequence
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COMPUTER REACABLE FORM:
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Best Local Similarity 75.0
Matches 3, Conservative
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Best Local Similarity
Matches 4; Conserv
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                                                                                                          SEQ ID NO 32
LENGTH: 8
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Publication No. US203000410341
GENERAL INFORMATION:
APPLICANT: Ben-Sasson, Shmuel
TITLE OF INVENTION: MODULATORS OF ACTIVITY OF
TITLE OF INVENTION: G-PROTEIN-COUPLED RECEPTOR KINASES
FILE REFERENCE: BEN-SASSON-2C
CURRENT FILING DATE: 2001-12-11
PRIOR FILING DATE: 2000-12-11
PRIOR FILING DATE: 1998-05-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               49.0%; Score 25; FH :1; : 100.0%; Pred, No. 5.8e+05; tive 0; Mismatches 0;
                PRIOR APPLICATION NUMBER: 60/056,370
PRIOR FILING DATE: 1997-08-19
PRIOR FILING DATE: 1997-08-19
PRIOR PELICATION NUMBER: 60/056,367
PRIOR APPLICATION NUMBER: 60/056,365
PRIOR APPLICATION NUMBER: 60/056,365
PRIOR APPLICATION NUMBER: 60/056,731
PRIOR PLING DATE: 1997-08-19
PRIOR PELING DATE: 1997-08-19
PRIOR PELING DATE: 1997-08-19
PRIOR APPLICATION NUMBER: 60/056,936
PRIOR PELING DATE: 1997-08-19
PRIOR APPLICATION NUMBER: 60/055,936
PRIOR PLING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,936
PRIOR PLING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,936
PRIOR APPLICATION NUMBER: 60/055,936
PRIOR PLING DATE: 1997-08-05
PRIOR PELING DATE: 1997-08-05
     1997-08-19
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Best Local Similarity
Matches 4; Conserv
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APPLICANT: Destipance, Rajendra
APPLICANT: Hitz, Anna
APPLICANT: Hitz, Anna
APPLICANT: Boyle, William
APPLICANT: Boyle, William
APPLICANT: Boyle, William
APPLICANT: Sullivan, John
TITLE OF INVENTION: SELECTIVE BINDING AGENTS OF OSTEOPROTEGERIN BINDING PROTEIN
FILE REFERENCE: A.633A
CURRENT APPLICANTON NUMBER: US/09/791,153A
CURRENT FILING DATE: 2001-07-17
PRIOR FILING DATE: 2000-02-23
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                                                                                                             Score 23; DB 11; Length 7;
Pred. No. 5.8e+05;
0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Locomore, Sheena M.
APPLICANT: Locomore, Sheena M.
APPLICANT: Schryvers, Anthony B.
APPLICANT: Schryvers, Anthony B.
APPLICANT: Chong, Pele
APPLICANT: Chong, Pele
APPLICANT: Murdin, Andrew D.
APPLICANT: Murdin, Andrew D.
APPLICANT: Murdin, Michel H.
ITLE OF INVENTION: TRANSFERRIN RECEPTOR GENES
FILE REFERENCE: 1038-1221 MIS
CURRENT APPLICATION NUMBER: US/10/C43,344
CURRENT APPLICATION NUMBER: US/649,518
PRIOR APPLICATION NUMBER: 08/649,518
PRIOR FILING DATE: 1396-05-17
NUMBER OF SEC ID NGS: 160
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 75
                         ) ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-229-751A.31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESCLT 12
US-09-791-153A-20
Sequence 20. Application US/09791:53A
Publication No. US2030103978A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                            Sequence 75, Application US/10043344 Publication No. US2003C088086A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Haemophilus influenzae
                                                                                                             45.1%;
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SOFTWARE: Patentin version 3.0
SEQ ID NO 26
                                                                                                         Query Match
Best Local Similarity 80.0°
Matches 4; Conservative
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    HYPOTHETICAL: NO
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2 HFLPT 6
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TITLE OF INVENTION BEPTIDE LICANUS THAT SIND TO SUBFRACES
NUMBER OF SEQUENCES: 80
CCRRESPORTING A DEPTION OF SECUENCES SUBFRESPRING STREET STREETS
STREET: DEOL DEATH HOND TO SUBFRESSES
STREET: PLO. BOX 2509
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          45.1%; Score 2%; PB 11; Length 7; 80.0%; Pred, No. 5.84.05; Astive 0; Mismandhys 1; Indels
                  SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/229,751A
FIZING DATE: 14-Jan-1999
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-CCS/MS-PCNS
SOFTWARE: Patentin Reluase #1.0, 74
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/229,751A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY AGENT INFORMATION:
NAME: Hendricks, Glenca M
REGISTATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: 1 ULT:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 103, 425-8455
TELECOMMUNICATION 103, 425-8455
TELECOMMUNICATION 103, 425-8455
SEQUENCE CHARACTERISTICS:
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-09-229-751A-25
                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Hendricks, Genna M
REGISTRATION NUMBER: 32,535
REFERENCE/DOCKET NUMBER: turn
TELECHMUNICATION INFORMATION:
TELEPHCNE: (703) 425-8405
TELEFAX: (703) 425-8405
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05 09 229 751A 31

; Sequence 31, Application US/09229751A

; Publication No. USD0030644838A1

; GENERAL INFORMATION
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                                                                                                                                                                                                                                                                                                                                         LENGTH: 7 amino acids
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TOPOLOGY: unknown
MOLECULL TYPE: peptide
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TOPOLOGY: unknown
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                        INFORMATION FOR SEC ID NO: 25: SEQUENCE CHARACTERISTICS:
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COMPUTER READABLE FORM:
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Best Scoal Similarity 80.0
Matches 4: Conservative
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3 GGFFGP 8
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US-10-226-007-1323
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APPLICANT: Schlingensiepen, Reimar
TITLE OF INVENTION: Mixture comprising an unhibitor or suppressor of a gene
TITLE OF INVENTION: mad a molecule binding to an expression product of that
TITLE OF INVENTION: gene
FILE REFERENCE: P68110050
CURRENT APPLICATION NUMBER: DC7/EP01/02694
FRIOR APPLICATION NUMBER: PC7/EP01/02694
FRIOR PILLING DATE: 2001-03-10
FRIOR FILLING DATE: 2000-03-11
SRIOR PILLING DATE: 2000-03-11
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43.1%; Score 22; 35.12; Length 7; Best Local Similarity 75.0%; Pred. No. 5.86+05; Matches 3; Conservative 6; Mismatches 1; Indels Matches
80.0%; Pred. No. 5.8c+05;
live 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence [46, Application US/10043344 Publication No. US30030088086A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                              Sequence 18, Application US/10220033
Publication No. US20030186906A1
GENERAL INFORMATION:
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CRGANISM: Artificial Sequence
FEATURE:
  Best Local Similarity 80.0 Matches 4; Conservative
                                                                    1 GGGHF 5
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1 GGGGF 5
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US-10-043-344-146
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US-10-220-033-18
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43.1%; Score 22; DB 15; Length 8;

Query Match

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| Best Local Similarity 66.7%; Pred. No. 5.88+05; | Matches 4; | Conservative 0; Mismatches 2; Indels 0; Gaps 0; | Qy | 2 GGHPP 7 | Conservative 0; Mismatches 2; Indels 0; Gaps 0; | GAHPP 7 | GAPFGP 8 | GAPFGP 8 | GAPFGP 8 | GAPFGP 8 | GAPFGP 9 | GAPFGP
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TITLE OF INVENTION: STRUCTURALLY DETERMINED
TITLE OF INVENTION: METALLO-CCNSTRUCTS AND APPLICATIONS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Darby & Darby P.C.
STREET: 805 Third Ave.
CITY: New York
STATE: NY
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                     Patent No. 5196510
Patent No. 5196510
Patent No. 5196510
VERNOW, L. FADCLIFFE, ROBERT D. TITLE OF INVENTION WILES
TITLE OF INVENTION: MOLECULAR RECOGNITION UNITS
NUMBER OF SEQUENCES: 43
CURRENT APPLICATION DATA: 1990
FILING DATE: 07-MAY-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             52.9%; Score 27; DB 6; Length 7; 100.0%; Pred. No. 2.5e+05; ive 0; Mismatches 0; Indels
              US-08-478-435-146
US-08-377-483-146
US-08-474-671-146
US-08-474-671-146
US-08-946-329A-16
US-08-946-329A-16
US-08-947-438-146
US-08-97-438-146
US-08-97-1498-169-90-146
US-08-97-146
US-08-97-146
US-08-97-146
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US-08-97-146
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US-08-97-146
US-08-97-146
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MEDIUM TYPE: Diskette, 3.5 inch, 720 Kb
MEDIUM TYPE: Storage
COMPUTER: Storage
COMPUTER: compatibles
COMPUTER: compatibles
COMPUTER: COMPATIBLES
COMPUTER: COMPATIBLES
COMPUTER: COMPATIBLES
COMPUTER: COMPATIBLES
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; Patent No. 6027711
; GENERAL INFORMATION:
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APPLICATION NUMBER: 291,730
FILING DATE: 29-DEC-1988
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Matches 4, Conservative
GHFP 4
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 SEQ ID NO:10:
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Sequence 4, Appli
Sequence 41, Appl
Sequence 42, Appl
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                                                                                                                 5, 2003, 17:19:19 ; Search time 14 Seconds (without alliments) 24:178 Million cell updates/sec
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2: / 9gr2 6/ptodata/1/laa/5B_COMB.pep:*
3: / 9gr2 6/ptodata/1/laa/6A_COMB.pep:*
4: / 5gr2 6/ptodata/1/laa/6B_COMB.pep:*
5: / 6gr2 6/ptodata/1/laa/rCTIS_COMB.pep:*
6: / 6gr2 6/ptodata/1/laa/rCTIS_COMB.pep:*
                GenCore version 5.1.6
(c) 1993 - 2003 Compagen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-66: 6974 4
US-09-464-358 4
US-08-244-496-41
US-08-244-496-58
US-08-444-818-344
US-08-159-340A-4
US-08-159-340A-4
US-08-159-340A-31
US-08-159-340A-31
US-08-159-340A-35
US-08-378-483-75
US-08-378-483-75
US-08-378-483-75
US-08-474-61-75
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08-502-989-3
08-467 890A-146
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-08-897-438-75
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07-969-307A 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 -08 637-654-75
-08-649-518-75
                                                                                                                                                                                                                                                                                                                    328717 segs, 42310858 residues
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Maximum Match 100%
Listing first 45 summaries
                                                                                     - protein search, using sw model
                                                                                                                                                                                                                                                                BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Issued Patents AA: *
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51
1 GGGHPPPT 8
                               Copyright
                                                                                                                        November
                                                                                                                                                                                                                                                                                                                                                                                         length: 0
length: 8
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                                                                                                                                                                                             Title:
Perfect score:
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                                                                                     CM protein
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Maximum DB
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                                             TITLE OF INVENTION: PEPTIDES AND ANTIBODIES FOR TREATMENT OF TITLE OF INVENTION: RHEUMATOID ARTHRITIS
COMPUTER READABLE FORM:
MEDIUM TYPE: RIOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                SOFTWARE: Parent in Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/244,496
PRICA APPLICATION DATA:
APPLICATION NUMBER: GB 9125024.1
FILING DATE: 25-NOV-1991
INFORMATION FOR SEC 15 Nov. 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 6 mino acids
TYPE: amino acids
TYPE: amino acids
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 51.0%; Score 26; DB 2; Length 6; Best Local Similarity 100.0%; Pred. No. 2.5e+05; Matches 4; Conservative 0; Mismatches 6; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LOCATION: 6
) OTHER INFORMATION: /product= "OTHER"
US-08-244-496-41
US-08-244-496-41
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OTHER INFORMATION: /product= "OTHER"
OTHER INFORMATION: /note= "AMIDATED"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 42, Application US/0824496
Parent No. 5937696
GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: peptide FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: peptide
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                           linear
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| | | | 2
| GGGH 5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-244-496-42
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APPLICANT: Sharma Ph.D., Shubh D.
APPLICANT: Sharma Ph.D., Shubh D.
TITLE CF INVENTION: Applications
FILES REFERENCE: Cyclic Peptide Divisional
CURRENT APPLICATION NUMBER: US/09/464,358
CURRENT FILING TATE: 1999-12-13-15
PRIOR PLING TATE: 1999-12-13-15
PRIOR PILING LATE: 1996-12-15
NUMBER OF SECTION NUMBER: 28/470.001
NUMBER OF SECTION NUMBER: 58/470.001
NUMBER OF SECTION NUMBER: 58/470.001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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US 09-464-358-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cuery March 51.0%; Score 26; DB 3; Length 4; Best Local Similarity 100.0%; Pred. No. 2.5e+0;; Marches 4; Conservative 6; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Cuery Match 51.0%; Score 26; No. 9, Length 9,
Best Local Similarity 100.0%; Pred. No. 2.5e+05;
Matches 4; Conservative 0; Miscutches 6; Indels
PESULT 4
US-08-244 496-41
US-08-244 496-41
FSequence 41, Application US/08244496
Fatent No. 5837686
GENERAL INCORRACION
APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 4, Application US/09464358
; Patent No. 6331285
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
CRGANISM: Artificial Sequence
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US-09-464-358-4
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                                                                                                                                                                                                                                                                                                                                                                                                       ATTLE OF INVENTION: PEPTIDES AND ANTIBODIES FOR TREATMENT OF TITLE OF INVENTION: RHEUMATOID ARTHRITIS
COMPUTER PERAMAGES: #5
COMPUTER PERAMAGES: #5
COMPUTER: IGNOPY disk
COMPUTER: IGNOPHER: US/08/244,496
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/244,496
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/244,496
PRIOR APPLICATION DATA:
FILING DATE: 25-NO-199:
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
FOURTH: TANGORATICS
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7, Mismatches 1; Indeis
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APPLICANT: Chien, David Y.
APPLICANT: Chien, David Y.
APPLICANT: Rutter, Walliam C.
APPLICANT: Rutter, Walliam C.
NUMBER OF INSURINGES: 777
CORRESPONDENCE ADDRESS:
ADDRESSER: Chiron Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SCFTWARE: Parenti: Release #1.3, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NAMBER: US/08/444,818
FILING DATE:
CURRENT APPLICATION GATA:
APPLICATION NUMBER: US/07/968,781A
FILING DATE: 1992.03.
CLASSIFICATION: 415
ATTORNEY/AGENT INFORMATION:
NAME: Saliwanchik, David R.
REGISTALION NUMBER: 31,794
REFERENCE/DOCKET NITRBER: MA44.FWCC1
TELEPOXE: 904-375-810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 424
PRIOR APPLICATION OWIN:
APPLICATION NUMBER: US/08/401,530
FILING DATE: 14 MAR-1995
ATTORNEY/AGENT INFORNATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0110.002
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US-08 444-513-334
- Sequence 334, Application US/08444818
- Percent No. 6250897
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REGISTRATION NUMBER: 33,895
REFERENCE/DOCKET NUMBER: 011
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: 4560 Hurton Street
CITY: Emeryville
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        49.0%;
80.0%;
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TELEFAX. (508) 359-3876
INFORMATION FOR SEQ 10 NO. 33
SEQUENCE CHARACTER:STICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Cocal Similarity #6.00
Matches 47 Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
MODECIER TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOFOLOGY: Inear Mode (YPE: pryoude
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STRAMOEDMESS: sir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4 REPPT 8
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| HFPST 7
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                                                                                                                                                                                                                                                                                                                                                                    PERTIDES AND ANTIBODIES FOR TO ALMEND REPRESENTATION ARTHRITIS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.6, Version #1.25 (FG)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/244,496
RRICR APPLICATION CATA:
APPLICATION NUMBER: GH 9125024.1
FILING DATE: 25 NOV-1991
INFORMATION FOR SEQ ID NO: 58:
SEQUENCE CHARACTER:SITCS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-07-568 YRIA-65
Sequence 65, Application US/079687RIA
FORERAL INFORMATION:
APPLICANT: Gaether, Frank H.
APPLICANT: Sick August J.
APPLICANT: Schnepf, H. Ernest
APPLICANT: Schnebf, H. E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRICTOR STANDARD FORM:
COMPUTER READARD FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: 18M PC compatible
COMPUTER: 18M PC compatible
COPPRATING SYSTEM: PC-DOS/Ms-ECS
...TWARE: Patentin Release #1.0, Version #1.0.
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2421 N.W. 41st Street, Sunte A )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: /product = "CTHER"
OTHER INFORMATION: /note = "AMIDATED"
                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: PERTIDES AND ANTITUTE OF INVENTION: RHEUMATOD ANTHRINGS OF COMPUTER READABLE FORM:
MEDIUM TYPE: READABLE COMPUTER: 18M PC COMPATION COMPUTER: 18M PC COMPATION OPERATING SYSTEM: PC-DOS/MS-FOS
                                                                                                                                                                                                US-08-244 496-58
Sequence 58, Application US/08244496
Parent No. 583/686
GRERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: Modified-site
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Fest Local Similarity 100.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 8 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: peptide
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CITY: Gainesville
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
STRANDEDNESS: sir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
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USA
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STATE: FI
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US 08-244-496-58
                                                                                                                                                                           RESULT 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 7
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ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
STREET: Four Embarcadero Center, Suite 3400
                                                                                                                                                                                                     SOFTWARE PATENTIN STREET PROJECTION BLISO CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/38/570,761
FILING DATE: 12-DEC-1995
CLASSIFICATION: 514
ATTONNEY/AGENT INFORMATION:
NAME: SILVA NOSE 38,304
REGISTRATION NUMBER: 38,304
REFERENCE/DOCKET NUMBER: 38,304
REFERENCE/DOCKET NUMBER: 36,304
TELEPHONE: (415) 781-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 31, Application US/08159340A
Patent No. 556352
GENERAL INFORMATION:
APPLICANT Papa, Feroz
TILE OF INVENTION: BED3IQUITINATING ENZYME: CONTINUES OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/159,340A FILING DATE: 24-NOV-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Highlander, Steven L.
REGISTRATION NUMBER: 37,642
REFERENCE/JOCKET NUMBER: ARCD:112/HYL
TELECHONE: (512) 418-3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSE: Arnold, white & Durkee STREET: P.O. Box 4433 CITY: Houston STATE: Texas
                                                                                                  ZIP: 94111-4187
COMPUTER REARABLE FORM:
WEDJUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/WS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPOTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/WS-DOS
                                                                                     United States
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEX: 910 277299
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
STRANDEDNESS: unknown
TCPCLOGY: unknown
MOLECULE TYPE: profieth
US-08-570-761-2
                                           San Francisco
                        STREET: Four Embar
CITY: San Francisc
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 GGGFP 5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-159 340A-31
                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 11
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49.0%; Score 25; D8 3; Length 8: 75.0%; Pred. No. 2.5e+05; Live 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMFOTER: IBM COMPATIBLE
OPERATIONS SYSTEM: PC-DOS/MS-DCS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURSIFICATION UNMER: US/08/159,340A
FILING DATE: 24 NOV-1993
CLASSIFICATION: 435
ATTORREY AGENT INFORMATION:
NAME: Highlander, Steven L.
REGISTRATION KURBER: 37,642
PEFREENCE/OCKET NUMBER: ARCD:112/HY:
TELECOMMUNICATION INFORMATION:
                                                                                                                        Sequence 43, Application US/C815934CA
| Sequence 43, Application US/C815934CA
| Patent No. 5565352
| GENERAL INPORMATION:
| APPLICANT: Hochstrasser, Mark APPLICANT: APPLICANT: ON EUBIQUITINATING ENZYME: TITLE OF INVENTION: AND METHODS NUMBER OF SEQUENCES: 44
| CORRESPONDENCE ADDRESS: ADDRESSEE: Arnold, White & Durkee STREET: P.O. Box 4433
| CITY: Houston STRIE: Tover
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Meade, Thomas J.
APPLICANT: Takeuchi, Toshihiko
APPLICANT: Gray, Harry B.
APPLICANT: Simon, Malvin
APPLICANT: Louise, Angelique Y.
TITLE GNT: Louise, Angelique Y.
NUMBES OF SEQUENCES: 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 2, Application US/0857076;
Patent No. 6008190
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (512) 418-3000
TELEFAX: (512) 474-7577
INFORMATION FOR SEQ ID NO: 43:
                   Best Local Similarity 75.0
Matches 3, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Cuery Match
Best Local Similarity 75.0
Matches 3: Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS EENGTH: 4 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDÊNCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
STRANDEDNESS: sin
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. GGHY 4
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5 HYPP 8
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                                                                                 4 HFPP 7
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CCUNTRY: USF
7'11: 77210
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    Query Match
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Gaps
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Query Match 45.1%; Score 23; DB 3; Length 6; Best Local Similarity 80.0%; Fred. No. 2.5e+C5; Matches 4; Conservative 0; Mismatches 1; Indels
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45.1%; Score 23; DB 1; Length 8; 80.0%; Pred. No. 2.5e+05; cive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE PATENTIN Release #1.0, Versich #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,890A
FILING DATE: 07-JUN-1993
CLASSIFATION: 435
RIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/175,116
FILING DATE: 09-DEC-1993
APPLICATION DATA:
APPLICATION NUMBER: US 08/148,568
FILING DATE: 08-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: SLEWART, MICHAEl I
                                                                         APPLICANT: Schryvers, Anthony
APPLICANT: Chong, Pele
APPLICANT: Chong, Pele
APPLICANT: Yang, Yang-Phing
APPLICANT: Mardin, Andrew
APPLICANT: Klain, Michel
TITLE OF INVENTION: Transferrin Receptor Genes
NUMBER OF SEQUENCES: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Transferrin Receptor Genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: 1038-466 MIS:jb
TELECOMMUNICATION INFORMATION:
TELEPHONE: (416) 595-1155
                                                                                                                                                                                                                                                                  E: Sim & McBurney
6th Floor, 330 Unviersity Avenue
                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYRE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 75, Application US/08478435 Patent No. 5922323 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Harkness, Robin
APPLICANT: Schryvers, Anthony
APPLICANT: Chong, Pele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Gray-Owen, Scott
APPLICANT: Yang, Yan-Ping
APPLICANT: Marcain, Andrew
APPLICANT: Michel
TITLE OF INVENTION: Transferr'
NUMBER OF SEQUENCES: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Stewart, Michael I
REGISTRATION NUMBER: 24,973
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Loosmore, Sheena
                                           Loosmore, Sheena
                                                            Harkness, Robin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: (416) 595-1163
INFORMATION FOR SEQ 1D NO: 7
SEQUENCE CHARACTERISTICS:
IENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 80.07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    single
                                                                                                                                                                                                                                                                                   STREET: 6th Flour
CITY: Toronto
STATE: Ontario
COUNTRY: Canada
ZIP: MSG 1R7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       inear
                 GENERAL INFCRMATION:
APPLICANT: LOSEMO
APPLICANT: Harkne
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               : GGGHF 5
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  Patent No. 5708149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7 TOPOLOGY:
US+08-487-890A-75
                                                                                                                                                                                                                                                                    ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 14
US-C8-478-435-75
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DENEMATICAN

APPLICANT: HOCKIASSE, MAIX

APPLICANT: HOCKIASSE, MAIX

APPLICANT: HOCKIASSE, MAIX

TITLE OF INVENTION: DEURICUITINATING ENZYME: COMPUSITIONS

TITLE OF INVENTION: AND METHODS

NUMBER OF SEQUENCES: 44

CORRESSOURCES: 44

CORRESSOURCES: ADDITIONAL MODITION OF AND METHODS

ANDRESSEE: ANDRESS:

ANDRESSEE: ANDRESS:

ANDRESSEE: ANDRESS:

ANDRESSEE: ANDRESS:
                                                                                                                                                                                                      y Match 45.1%; Score 23; DB-1; Lepurin 9; Local Similarity 75.0%; Pred. No. 2.5e+05; nes 3; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  45.1%; Score 23; DB 1; Tength 8; 75.0%; Pred, No. 2.5e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 77210
ZIP: 77210

MEDIUTER READABLE FORM:
MEDIUTER: LEW PC compatible
COMPUTER: ISW PC compatible
SOFTWARE: Parentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMEMIA APPLICATION NABER: US/08/159,34CA
APPLICATION NABER: US/08/159,34CA
APPLICATION NABER: US/08/159,34CA
ALTORNEY/AGENT INFORMATION:
NAME: Highlander, Steven L.
REGISTRATION NUMBER: 37,642
REPERENCY/OCKET NUMBER: APCI:11,/HTL
TELEPHONE: (512) 418-3000
TELEPHONE: (512) 418-3000
INFORMATION FOR SED ID NO: 35:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Mismatches
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US-08-487 F90A-75
; Seguence 75, Application US/08487890A
                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 35, Application US/08159340A Patent No. 5565352
TELEFAX: (5:2) 474-7577
INFORMATION FOR SEQ 1D NO: SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3; Conservative
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                                                                                                     STRANDEDNESS: single
                                                                                                                                     MOLECULE TYPE: peptide
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                                                                                 amino acid
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Matches 3; Conserv
                                                                                                                            linear
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                                                                                                                                                                                                                                                                                                                   1 GGHY 4
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STATE: Texas
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                                                                                                                      TOPCLOGY:
                                                                                                                                                                 US-08-159-340A-31
                                                                                                                                                                                                                                                                                                                                                                                                                13-08-159-340A-35
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                                                                                                                                                                                                          Query Match
                                                                                   TYPE:
                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                          RESULT 12
                                                                                                                                                                                                                               Best
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Search completed: November 5, 2003, 17:23:36
Job time : 15 secs
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US-08-337-483-75
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                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Hoppy disk
CCMPUTSR: IBM PC CCTDditb:
CCMPUTSR: IBM PC CCTDditb:
CCMPUTSR: IBM PC CCTDditb:
CCMPUTSR: IBM PC CCTDditb:
CCMPUTSR: PAtonin Release #1.0, Version #1.24
CCMPUT APPLICATION DATA:
FILING DATE: 07-01-1955
CLASSIFICATION: A35
PRICE APPLICATION: A35
PRICE APPLICATION: 435
PRICE APPLICATION: A35
PRICE APPLICATION NUMBER: US 08/37,443
PRICE APPLICATION NUMBER: US 08/175,116
FILING DATE: 29-DEC 1993
PRICE APPLICATION NUMBER: US 08/144,948
FILING DATE: 29-DEC 1993
ATTENDO DATE: 08-NOV-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 75, Application US/08337483
Patent No. 5922562
GENERAL INFORMATION.
APPLICANT: LOGSMORE, Sheena
APPLICANT: Acrivers, Robin
APPLICANT: Choig, Pele
APPLICANT: Yang, Yan-Ping
APPLICANT: Yang, Yan-Ping
APPLICANT: Wien, Moren
APPLICANT: Wien, Moren
APPLICANT: Rien, Moren
APPLICANT: Rien

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Stewart, Michael I
REGISTRATION NUMBER: 24,971
REFERRNCE/DOCKET NUMBER: 1079 462 MIS:vq
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELETAX: (416) 595-1163
(NFORMATION FOR 840 ID NO: 75:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Sim & McBurney
STREET: Suite 701, 330 Unviersity Avenue
                                                                       STREET: Suite 701, 330 University Avenue CITY: Toronto STATE: Ordanio CONFERT: Ordanio ZIP: MSG 187
                                            Sim & McBurney
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Hest Local Similarity 80.0
Matches 4, Conservative
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linear
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                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
CORRESPONDENCE ADDRESS
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CITY: Toronto
STATE: Ontario
CCUNTRY: Canada
ZIP: MSS 187
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US-08 337 483-75
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MEDIUM TYPE: Floppy disk
COMPUTER: IRM PC compatible
OPERATING SYSTEM: PC-DOS/MS DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/337,483
FILING DATE: 08-NCV-1994
CLASS:PICATION: ACRATIC: 435
ATTORNEY/ACRATIC: ACRATIC: 1038-410 MIS:jb
REGISTRATION NUMBER: 24,93
REFERENCE/DOCKET NUMBER: 1038-410 MIS:jb
TELEPONE: (416, 59-1155
TELEPONE: (416, 59-1163
TELEFAX: (416, 59-1163
TELEFAX
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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ing sw model	<pre>November 5, 2003, 17:44:56 ; Search time 21 Seconds (without allouments) 27 477 Million cell undates/sec</pre>	
я ;	,	
OM protein - protein search, using sw model	November	
OM protein -	Run on:	

Title: Perfect score:

US-09-914-088-6 32 1 PGTINI 6 Sequence:

Scoring table:

283308 segs, 96168692 residues BLOSUM62 Gapop 10.0 , Gapext 0.5 Searched:

316 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 6

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

PIR_76:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:*

Database

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Heavy than CRD

Total receptor be
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PGT: 4

CD CD ે

9 28.1 5 2 140702 8 25.0 5 2 A60521 8 25.0 5 2 PT0278 9 25.0 5 2 PT0278 8 25.0 6 2 PT0278 8 25.0 6 2 S1024 9 25.0 6 2 S1024 8 25.0 6 2 A19780 8 25.0 6 2 A19780 7 21.9 3 3 RHCT 7 21.9 3 3 A32971 7 21.9 3 3 A33902
28.1 28.1 28.1 28.0 28.1 25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0
22 22 25 30 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
7 7 7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8

ALIGNMENTS

RESULT 1 AA1001 AA1001 AA1001 AA1001 C.Species : Pseudomenas syringae pv. mori C.Species: Sequence_revision 10-Mar-1994 #text_change 21-Jan-1997 C.Accession: Abiotovy tree C.Date: 10-Mar-1994 #sequence_revision 10-Mar-1994 #text_change 21-Jan-1997 C.Accession: Abiotovo C. X.; Yahiro, K.; Umeda, T.; Shoji, S.; Kubota, Y.; Shibata, in the Aniotovo C. Ani
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PT0715
C.Spelies: Wis Tusculus (house mouse)
C.Spelies: Mis Tusculus (house mouse)
C.Spelies: Mis Tusculus (house mouse)
C.Species: Mis Tusculus (house mouse)
D. Exp. Med. 174, 115-124, 1991
A.Title: Junctional sequences of fetal T cell receptor beta chains have few N regions
A.Reference number: PT0509; MUID:91277601; PMID:1711558
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C;Date: 04-Dec-1997 #text_change 17-Mar-1999
C;Date: 04-Dec-1997 #sequence_revision 04-Dec-1997 #text_change 17-Mar-1999
S;Peters: 0. Nitsch, M.; Kuehlmorgen, B.; Golbik, R.; Lupas, A.; Kellermann, J.; I. Mol. Biol. 245, 385-401, 1995
A;Title: Tetrahrachion: a filamentous archaebacterial surface protein assembly of way,Reference number: S69237; MJD:95139068; PMID:7837271
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Pred. No. 2.8e+05;
1; Mismatches 0; Indels
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A,Residues: 1-5 <PET>
A,Experimental source: strain Fl, DSM 3639
C,Keywords: cell wall; g-ycoprotein; heat-stable protein
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A;Residues: 1-6 <FEE>
A;Experimental source: newborn thymus, strain BALB/c
A;Expworlas: ".cell receptor
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Best Local Similarity 100.0%; Fred. No. 2.2
Matches 2; Conservative 0; Mismatches
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Best Local Similarity 66.7%;
Matches 2; Conservative
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                       A34626
RPCH-related neuropeptide - fortuginous spindle
RPCH-related neuropeptide - fortuginous spindle
RPCH-related neuropeptide - fortuginous spindle
C.Date: 36-Jul 1996 #sequence_revision 6-Jul-1990 #text_change 31-Dec-1993
C.Accession: A34626
R.Kuroki, Y.; Kanda, T.; Kubota, I.; Fujisawa, Y.; Ikedi, T.; Miura, A.; Minamitake, Biochen. Biophys. Res. Commun. 167, 273-279, 1990
A.Title: A modifuscan neuropeptide related to the cristarean hormone, RPCH.
A.Accession: A34626
A.Status: preliminary
A.Status: preliminary
A.Status: preliminary
A.Status: A *KURS-
C; Keywords: neuropeptide
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llarity 100.0%; Pred, No. 2.8e+05;
Conservative 0; Mismatches 0; Indels
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A.McLecule type: DNA
A.Residues: 1-5 <FER
A.Experimental source: newborn thymus, strain HALA'N
C.Keywords: T.cell receptor
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Best Local Similarity
Matches 2, Conserv
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C;Accession: C53284
R;Harindranath, N.; Alexander, C.B.; Mage, R.G.
Mol. Immunol. 28, 881-888, 1991
A;Title: Evolutionarily conserved organization and sequences of germline diversity and A;Reference number: A53284; MUID:91342695; PMID:1678859
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C. Exp. Med. 174, 115-124, 1991
A.Title: Ourctional Sequences of fetal T cell receptor beta chains have few N regions A,Reference number: PT/509; MJID:91277601; PMID:1711558
A,Reference number: A.Status: translation not shown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          J. Exp. Med. 174, 115.:24, 1991
Africia: Junctional sequences of fetal T cell receptor beta chains have few N regions
A.Reference number: P70509; MJID:91277601; PMID:1711558
A.Recession: P70525
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C;Species: Oryctolagus cuniculus (domestic rabbit)
C;Date: 02-May.1994 #sequence_revision 18-Nov-1994 #text_change 05-Nov-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        T-cell receptor beta chain V-D-J region (100-43) - mouse (fragment)
C;Species: Mus musculus (house mouse)
C;Date: 17.Jul-1992 #sequence_revision 17.Jul-1992 #text_change 30-May-1997
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C;Species: Wis musculus (house mouse)
C;Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C;Accession: FTG68; PTG731
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A;Note: sequence extracted from NCBI backbone (NCBIN:60737; NCBIP:60740)
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Pred. No. 2.8e+05;
; Mismatches 0;
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A;Molecule type: mRNA
A;Residues: 1-5 cFEE>
A;Experimental source: adult thymus, strain BALB/c
C;Keywords: T-cell receptor
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Best Local Similarity 160.
Matches 2: Conservative
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  Best Local Similarity 100.
Matches 2, Conservative
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A;Molecule type: DNA
A;Residues: 1-5 <HAR>
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R,Feeney, A.J.
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Cispecies Oryza sativa (rice)
Cispecies Oryza sativa
Cispecies Oryza original Cispecies of the N-linked carbohydrate chain or rice alpha-amylase in thermosta
AlReference number: SS1077, MJD195045597, PMID:7957256
                                                                                                                                                                                                                                                                                                                                                              5. Exp. Med. 174, 115-124, 1991
A;Title: Junctional sequences of fetal T cell receptor beta chains have few N regions.
A;Reference number: FT0509; MUID:91277601; PMID:1711558
A;Accession: PT0566
A;Status: translation not shown
A;Molecule type: MRNA
A;Residuale type: MRNA
A;Residuale type: MRNA
A;Residuale type: MRNA
A;Residuale type: MRNA
C;Keywords: 1-4 FFES
C;Keywords: T-cell receptor
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Cyspecies: Mus musculus (house mouse)
Cyspecies: Mus musculus (house mouse)
Cyspecies: Mull-1992 #sequence_revision 17-Jul-1392 #text_change 30 May-1997
Cyscession: PT0566
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  R-phycoerythrin gamma A chain - red alga (Gastroclonium coulteri) (fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C.Species: Castrocloniam coulteri
C.Species: Castrocloniam coulteri
C.Bate: 07 Mar-1988 #sequence_revision 07-Mar-1998 #text_charge 25-Mar-1993
C.Bates. 07 Mar-1988 #sequence_revision 07-Mar-1998 #text_charge 25-Mar-1993
C.Bates A.V.; Glazer A.N.
A.Biol. Chem. 260, 4856-4863, 1985
A.Fates Characterization of the bilin attachment sites in 8 physoerythrin.
A.Reference number: A22565, MJD:85182451; FMID:348644
A.Mohecule type: pictoin
A.Residues: 1-5 *XXX-
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  Pred. No. 2.8e+05;
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  Best Socal Similarity 105.0%; Pr
Matches 2; Conservative 0;
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Matches 2; Conservative
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A,Molecule type: protein
A,Residues: 1-5 <TER>
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PESULT 15
MAC H2-L antigen - mouse (fragment)
C.Species: Mus musculus (house mouse)
C.Species: Mus musculus (house mouse)
C.Date: 02 Aug-1996 #sequence_revision C2-Aug-1996 #text change C5-Nov-1999
C.Date: 02 Aug-1996 #sequence_revision C2-Aug-1996 #text change C5-Nov-1999
C.Date: 02 Aug-1996 #sequence_revision C2-Aug-1996 #text change C5-Nov-1999
R.Kimita, A., Israel, A., Le Ball, O.; Koutilsky, P.
Cell 44, 261-272, 1986
A., Israel, A., Le Ball, O.; Koutilsky, P.
A., Cell 44, 261-272, 1986
A., Maccession: 16546
A., Maccession: 16546
A., Status: preliminary: translated from GA/ENRIL/DFRC
A., Status: preliminary: translated from GA/ENRIL/DFRC
A., Molecule type: DNA
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A)Molecule type: mRNA
A)Residues: 1-5 «FES
A)Experimental source: day 4 postnatal thymus, strain BALB/c, 121-3E
A)Accession: PT0701
A)Status: translation not shown
A,Molecule type: DNA
A,Molecule: 1-5 «FES»
A)Reperimental source: newborn thymus, strain BALB/c, 181-2E
C)Keywords: T-cell receptor
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P1964 | Octopus min
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P01151 sus scrofa
P19916 pseudomonas
P02731 homo sapien
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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SUSA ACHOO
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TRP1 PSEPU
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Pi3071 citrobacter PSB261 daucus caro PB2072 litoria rub P2472 vibrio fisc PSB706 anthopleura P41853 artioposthi PB2071 litoria rub PB2071 litoria rub PB2071 litoria rub PB2574 cryctolagus P2554 oryctolagus P42562 hirudo medi	75	S AA.	pdate; update)	Vertebrata; Euteleostomi; a; Bufonoidea; Hylidae;	Waliace J.C.; Australian buzzing tree frog skin peptides from Litoria	0000 CRC64;	DB 1; Length 5; 1.1.3e+05; tches 0; Indeis 0; Gaps 0;		6 AA.	ate) pdate)	ng oostatic factor (TMOF). ta (Grey flesh fly) (Neobellieria bullata). oa; Arthropoda; Hexapoda; Insecta; Pterygota; erygota; Diptera; Brachycera; Muscomorpha; Oestroidea;	Shabanowitz J., Grauweis L., trypsin modulating oostatic
BIOA_CITER	ALIGNMENT	PRT;) quence uy notation	frog). Craniata; eobatrachi	er M.J., s of the with the	(1999). Secreted. kin. Ramidation. AMIDATION	28.1%; Score 9; I 33.3%; Pred. No. : ative 2; Mismatcl		PRT;	, Created) , Last sequence upda , Last annotation up	ostatic factor (TMO) Grey flesh fly) (Nec Arthropoda; Hexapod Ota; Diptera; Brach) phaga.	S. ed=8159807; D., Hunt D.F., terization of
22 24 4 4 4 4 4 6 2 2 4 4 4 4 4 6 2 2 2 4 6 6 6 6		1 ITRU IO4 LITRU STAND	3-FEB-2003 (Rel. 41 3-FEB-2003 (Rel. 41 5-SEP-2003 (Rel. 42	Electrin 4. Litoria rubella (Desert tree Eukaryota; Metazoa; Chordata; Amphibia; Bedrachia; Anura; N Pelodryadinae; Litoria.	COUSNCE. SSUE=Skin secret SSUE=Skin secret bbnitz P.A., Bowi eptides from the (toxi electrica.	rubella."; 1. SUBCELLULAR LOCATION: Secret!- TISSUE SPECIFICITY: Skin. Amphibian defense peptide; Amidal MOD RES 5 S AMIdal SEQUENCE 5 AA; 616 MW; 61F2D	ry Match st Local Similarity ches 1; Conserva	3 TIN 5 :: 3 TVH 5	2 ARBU WOF SARBU STANDARD; 41494:	1-NOV-1995 (Rel. 32 1-NOV-1995 (Rel. 32 1-FEB-1996 (Rel. 33	rypsin-modulating o arcophaga bullata (ukaryota; Metazoa; acoptera; Endopteryg arcophagidae; Sarco	111 SEQUENCE, AND SYNTHESI TISSUE=OVATY, MEDLINE=94211930; Pubm Bylerans D., Borovsky, de Loof A., "Sequencing and charac
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MEDLINE=70136150; PubMed=4984938;
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factor (TMOF) from the ovaries of the grey fleshfly, Neobellieria (Sarcophaga) bullara.";
Regall Pepr 50:61-72(1994).
-!- FUNCTION: HAS AN OGSTATIC ACTIVITY. INHIBITS TRYPSIN BIGSYNTHESIS IN THE MIDGET WHICH INDIRECTLY REDUCES THE VITELSOCENIN CONCENTRATION IN THE HEMOLYMPH PESULTING IN INHIBITION OF SOCYTE
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MEDLINE, 98291870; PubMed=19629918;
Piengsrud 8., Sk-pidal L.;
Piengsrud 98. Sk-pidal L.;
Sequence analysis of proteins from Clostridium pasteurianur WS.";
Bleutrophoreaus 19:802-806(1998);
I MISCELLANECUS; ON THE 2D-GEL 7HE DETERMINED FI OF HIS DERNOWN PROTEIN 18: S.O. ITS MW 18: "N.9 Khu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21-JUS-1986 (Rel. 01, Created)
21-JUS-1986 (Rel. 01, Last sequence update)
28-PEB-2003 (Rel. 01, Last annotation update)
Thyroliberin (Thyrotropin releasing hormone) (TPH) (Profile) (No. 6 sies (Shep), Ovis aries (Shep), Oviental (Inc. bellied toad), and Notophthalmus viridescens (Eastern new!) (Triturus viridescens), Notophthalmus viridescens (Coraniata) Veriebrata, Eurolecstomi, Mandala, Caranata, Sunda, Sundae, Sus Nogil Tax10=9823, 9940, 8346, 8316)
                                                                        DEVELOPMENT.
-- DEVELOPMENTAL STAGE: SYNTHESIZED AND RELEASED FROM FOLLICULAR EPITHELIUM AFTER A BLOOD MEAL.
                                                                                                                                                                                                                                                                                                                                                        Clostridium pasteurianum.
Bacceria, Firmicutes, Clostridia, Clostridiales, Clostidiaceae,
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50.0%; Prod. No. 1. met 0. j. Indels
                                                                                                                                              25.0%; Score 8; DB 1; Length 6; 20.0%; Pred: No. 1.38+05; ive 2; Mismatches 2; Indels
                                                                                                                        6 AA; 695 MW; 61E72451E7642030 CRC64;
                                                                                                                                                                                                                                                                                                       15 JUL-1998 (Rel. 36, Created)
15-JUL-1998 (Rel. 36, Last sequence update)
15-JUL-1998 (Rel. 36, Last annotation update)
Unknown protein CP 6 from 2D-page (Fragment)
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SPECIES=Pig; TISSUE:Hypothalamis,
                                                                                                                                                           Best Local Similarity 20.0
Matches 1, Conservative
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ses 2, Conservative
                                                                                                                                                                                                                                                                                 STANDARD;
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                                                                                                                                                                                                                                                                                                                                                                              Clostridium.
NCBI_TaxID=1501;
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MEDLINE-70039904; PubMed-4982117;
MEDLINE-70039904; PubMed-4982117;
BOLE J., Enfantan
BOLE J., Enfantan
"The identity of chemical and hormonal properties of the thyrotropin
releasing hormone and pyroglutamyl-histidyl-proline amide.";
Biochem. Blophys. Res. Commun. 37:735-710(1969).
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BEDINKEN-7005605, PubMed-4214528,

Grimm-Joergensen Y., Vecklyy J.F.,

"Blosynthesis of thyrotropin releasing factor by newt (Triturus
"Blosynthesis of thyrotropin releasing factor by newt (Triturus
"Blosynthesis of thyrotropin releasing factor. Solation and characterization of
thyrotropin releasing factor.";

"Nourochem 23:471-478(1974).
"Nourochem 23:471-478(1974).
"THE ANTERICA PITUTARY CLAND AND AS A NEUROTRANSMITTER/
NEUROMODULATOR IN THE CENTRAL, AND PERIPHERAL NERVOUS SYSTEMS.
                                                                                                                                                                                                                                                                                                                                                                                     SPECIES=Sheep: TISSUE=Hypothalamus;
Desideric D.M. Jr., Burgus R., Dunn T.F., Vale W., Guillemin R.
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Chem. Pharm. Bull. 23:3301:3303(1975).
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PIR; A90919; RHIDTO.
PIR; A92971; A92971.
PIR; A93756; RHSHT.
Amidation; Pyrrolidone carboxylic acid.
PYROLIDONE CARBOXYLIC ACID.
AMIDATION.
AMIDATION.
AMIDATION.
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MEDLINE=70163386; PubMed=4985794;
Burgus R., Dunn T.F., Desiderio D.M., Ward D.N., Vale W.
Guillemin R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Characterization of ovine hypothalamic hypophysiotropic SH-releasing factor.":
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Nair R.M.G., Barrett C.F., Bowers C.Y., Schally A.V., "Structure of porcine thyrotropin releasing hormone."; Blochemistry 9:1:03-1:06(1970).
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01-FEB-1991 (Rel. 17, Last sequence update)
28-FEB-2003 (Rel. 41, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TSH-releasing factor.";
Nature 226:321-325(1970),
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Matches 1; Conservat
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ID DCML PSECH
AC P19916;
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DT 29-FEB-2003
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MEDLINE=91285106; PubMed=2060626;
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                                                                   28-FEB-2003 (Rel. 41, Created)
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P36515;
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ID OCP3_OCTMI
AC P58649;
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SEQUENCE
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RM01_YEAST
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Proc. Natl. Adad. Sci. U.S.A. 72:4123-4127(1975).

AND OTHER TISSUES) DURING HYPERSENSITIVITY NEACTIONS

(AND OTHER TISSUES) DURING HYPERSENSITIVITY NEACTIONS

(ANAPHILAXIS). THEIR ACTIVITIES, PREFERENTIALLY AFPECTINS

EOSINOPHILS, INCLUDE CHEMOTAXIS, CHEMOTACTIC DEACTIVATION, RELEASE

GO. GO.0030105; Penaphylaxis; ICA.

GO.00006935; Pechemotaxis; IDA.
                                                                                                                                                                                                  -!- COFACTOR: Molybdenum (molybdopterin).
-!- SUBUNIT: CONSISTS OF THREE POLYPEPTIDE CHAINS: LARGE, MEDIUM, AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Purification and synthesis of eosimophilotactic retappphides of human lung tissue: identification as eosimophil chemotactic factor of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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                                                                                                       Kraut M., Hugendieck I., Herwig S., Meyer C.;
"Homology and distribution of Co dehydrogenase structural genes in
carboxydotrophic bacteria.";
                                                                                                                                            Arch. Microbiol. 152:335-341(1989).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota, Metazca, Chordata, Chumata, Vertebrara, Entelecsfori;
Mammalia, Eutheria, Primates, Catamboni, Berneider, Bros.
NCBI TaxiDs9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                               -!- CATALYTIC ACTIVITY: CO + H(2)O + acceptor = CC(2) + reduced
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Carbon monoxide dehydrogenase large chain (BC 1.2.99.2) (CO dehydrogenase subunit L) (CO-DH L) (Fragment).
                                            Bacteria, Proteobacteria, Alphaproteobacteria, Rhizobiales,
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Pred, No. 1,30+05,
1, Mismatches 0, indels
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                                                                                                                                                                                                                                                                      4 AA; 441 MW; 7761E876F000000 CR064;
                                                                                                                                                                                                                                                                                                                                                                                                                                        21-JUL-1986 (Rel. 31, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
21-JUL-1986 (Rel. 01, Last annotation update)
Eosinophilotactic peptides.
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Goetzl E.J., Austen K.F.;
                                                                                        SEQUENCE.
MEDLINE=90055678; PubMed=2818128;
                                  Pseudomonas carboxydohydrogena
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50.0%;
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Oxidoreductase; Molybdenum.
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Sest Local Similarity
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                                                       Bradyrhizobiaceae.
NCBI_TaxID=290;
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Iwakoshi E., Hisada M., Minakata H.;
"Cardioactive peptides isolated from the brain of a Japanese octopus,
Octopus minor.";
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                                                                                                                                         Eukarysta; Metazoa; Moliusca; Cephalopoda; Coleoidea; Neccoleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus.
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FEBS Lett. 284:51-56[1991].
PIR; S17255; S17255.
SGD; L0002681; MRPL1.
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Saccharomycetales, Saccharomycetaceae, Saccharomyces.
NCBI_TaxID=4932;
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-!- FUNCTION: Cardioactive, has both positive chronotropic and inotropic effects on the heart. Ocp-4 is a 1000 time less
                                                                                                                                                                                                                                                                                SEQUENCE, SYNTHESIS, MASS SPECTROMETRY, AND CHARACTERIZATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 7; DD ., Pred. No. 1.3e+05;
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Cl-CHT-1994 (Rel. 29, Jast sequence update)
Cl-CHT-1994 (Rel. 29, Jast annotation update)
Mitochondrial 60S ribosomal protein L1 (YmL1) (Fragment).
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SEQUENCE 4 AA; 463 MM; 6AB365BB10000000 CRC64;
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28-FEB-2003 (Rel. 41, Last annotation update)
Cardioactive peptides Ccp-3/Ocp-4.
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MEDS.NE=90351557; PubMed=2386615;
Cintra A.C.O., Vielra C.A., Osglio U.S.;
Primary Structure and biological activity of brangkinin preminiting
peptides from Bothrops insulaits snake Verson.";
J. Protein Chem. 9(221-227(1996))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sant)
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CI-EBR-1994 (Rel. 28, Last sequence update)
CI-EBR-1094 (Rel. 41, Last annotation update)
Bradykining-potentiating peptide S5,2 (SA) (Anqiorensin converting enzyme inhibitor).
Bothrops insularis (Island jararaca) (Quermada jararaca).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota, Metazoa, Chordata, Craniara, Vertehrata, Burnleostomi,
Mammalia, Eutheria, Primales, Jararrhini, Hominidae, Eo-o.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nishioka K., Constantopoulos A., Satoh P.S., Najjar V.A.; "The characteristics, isolation and synthesis of the phagocytosis stimulating peptide tuftsin.";
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Lepidosauria, Squamata, Sclerogiossa, Serpentes, Folubroldea;
Viperidae, Crotalinae, Bothrops.
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21-JUL-1986 (Rel. 01, Last sequence update)
16-CCT-2001 (Rel. 46, Last amoutation update)
Phagocytosis-stimulating peptide (Tittsin)
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MEDLINE=72187087; PubMed=4112769;
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P01858;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30-MAY.2000 (Rel. 39, Created)
30-MAY.2000 (Rel. 39, Last sequence update)
28-FEB-2000 (Rel. 41, Last annotation update)
Pardachi (MXII) (Fragment)
Pardachi (MXII) (Fragment)
Pardachi (Rel sea moses sole).
Pardachi (Mainoratus (Red sea moses sole).
Actinopterygii; Mebaterygii; Teleostei; Euteleostei; Neoteleostei; Actinopterygii; Acanthopterygii; Percomorpha; Acanthopterygii; Percomorpha; Pleuronectiformes; Solecidei; Solecidee; Pardachirus.
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Eukaryots, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Neobatrachia; Bufonoidea; Hylidae;
Pelodryadinae; Litoria.
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-:- FUNCTION: This peptide both inhibits the activity of the angiocensin-converting enzyme and enhances the action of bradykinin by inhibiting the kinases that inactivate it. It acts as an indirect hypotensive agent.

PTR: G37196; G37:96.
                                                                                                                                                        Hypotensive agent; Pyrrolidone carboxylic acid.
MOD RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
SEQUENCE 5 AA; 629 MM; 776DC37326B0C000 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Patch 21.9%; Score 7, DB 1; Length 5; Local Similarity 100.0%; Pred. No. 1.3e+05; es 1; Conservative 0; Mismatches 0; Indels
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5 AA; 630 MW; 668761F2C9A00000 CRC64;
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28-FEB-2003 (Rel. 41, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
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-!- SUBCELLULAR LOCATION: Secreted.
-!- TISSUE SPECIFICITY: Skin.
Amphibian defense peptide; Amidation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TISRUSLINE FROM Secretion,
MEDLINE FROM 1899, Pubmed 13782138,
Lazarovini P., Primot N., Loew U.M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRT;
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-!- TISSUE SPECIFICITY;
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                                                                                                Neuropeptide.
SEQUENCE 5 A
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P13736;
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"Purification and pore-forming activity of two hydrophobic polypeptides from the secretion of the Red sea moses sole (Pardachirus marmoratus).";
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Starratt A.N., Brown B.E.;
"Structure of the pentapeptide proctoin, a projosed searctransmitter
                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                                                                    SPECISS=P.americana;
MEDALINES=8225865; PubMed=6113690;
O'Shea M., Adams M.E.;
"Pentageptide (proctolin) associated with an identified neuron.";
Science 213:567-569(1981).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Periplaneta americana (American cockroach),
Limulus polypherus (Atlantic horseshoe crab), and
Carcinus maenas (Common shore crab) (Green crab).
Eukaryota, Matazoa, Arthropoda; Hexapoda; Insecta; Pterygota;
Moprera; Orthopteroidea; Dictyophera; Blattaria; Blattoidea;
Blattidae; Periplaneta.
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Peprides 7:67-72(1986);
! FUNCTION: STIMMATES CARDIAC CUTPUT AND HINDOLT MOTILITY;
MODULATES VISCERAL AND SKELETAL MUSCLE IN MANY ARTHROPPICS
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MEDLURE=90287800; PubMed=2356151;
GTOOME J.R., Tillinghast E.K., Townley M.A., Vettovs A.,
Watson W.H. III, Hunt D.F., Griffin P.P., Alexander J.E.,
Watson W.H.
                                                                                                                                                                                                                                                                                                                                                                    Indels
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                                                                                                                                                                                                                                                                           5 AA; 614 MW; 7769C9C9100000 CRC64;
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21.JUL-1996 (Rel. 01, Last Sequence update)
01.FEB-1995 (Rel. 31, Last annotation update)
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MEDLINE=86232789; PubMed=2872661;
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                                                                                                                                                                                                                                                                                                                                                                      Conservative
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Matches 1; Conserv
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P01373;
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NON TER
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PRCT PERRY
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TISSUE=Pedal ganglion;
MEDLINE=88240357; Pubbed=3377776;
Hirata T., Kubota I., Iwasawi N., Takabatake I., Ikeda T., Muneoka Y.;
Hirata T., Kubota I., Iwasawi N., Takabatake I., Ikeda T., Muneoka Y.;
"Structures and actions of Mytilus inhibitory peptides.";
Biochem. Biophys. Res. Commun. 152:1376-1382(1988).
"Istrations INFIBITORY ACTION ON CONTRACTIONS IN SEVERAL MOLLUSCAN XUSCLES."
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Neoptera; Orthopteroidea; Orthoptera; Ensifera; Gryllidae; Gryllinae;
                                                                                                                                                                                                                                                                                                                                                    Gaps
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01-JAN 1990 (Rel. 13, Last sequence update)
15-DEC-1998 (Rel. 37, Last annotation update)
Contraction-inhibiting peptide I (MIP I).
Mytilus edulis (Blue mussel).
Mytilus edulis, Metazca; Mollusca; Bivalvia; Preriomorphia; Mytiloidea; Mytilidae; Mytilidae;
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-!- SUBCELLULAR LOCATION: MAIN PEPTIDE FROM THE SUBOESOPHACEAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Wicker C., Wicker C.,
"Isolation and structure of a peptide isolated from the suboksophageal ganglion of Achera domesticus (orthoptera).", Comp. Biochem. Physiol, 88C:185-187(1887)."
                                                                                                                                                                                                                                                                                                                                           0; Indels
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                                                                                                                                                                                                                                                         21.9%; Score 7; DB 1; Length 5; 100.0%; Pred. No. 1.38+05; tive 0; Mismatches 0; Indel:
                                                                                                                                                                       5 AA; 649 MW; 71B7673B44600000 CRC64;
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01-FEB.1991 (Rel. 17, Last sequence update)
01-077-1996 (Rel. 34, Last annotation update)
Suboesophageal ganglion pentapeptide.
Acheta domesticus (House cricket):
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S
THE CRAB PERICARDIAL ORGANS.
PIR, A01644; HOROHA.
PIR, A60411; A60411.
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PIR; A27696; A27696.
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PIR, JS0319; JS0319.
SEQUENCE 5 AA; 47
                                                                                                                                                                                                                                                                                                      Local Similarity
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OM protein

Run on:

Minimum DB Maximum DB

Database

Searched:

Sequence:

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P83308
P83309,
10.2070-2022 (TEFMBLrel. 21, Created)
01-20N-2002 (TEFMBLrel. 21, Last sequence update)
01-20N-2002 (TEFMBLrel. 21, Last annotation update)
01-20N-2002 (TEFMBL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE, AND SYNTHESIS.
TISSUE-Brain.
PubMed-661377. Reeve J.R. Jr., Shively J., Gayton R.J., Barnard C.S.,
"A movel active pentapeptide from chicken brain identified by
antibodies to FWREmande.";
Nature 36:328-330(1983).
-!- FUNCTION: MAY FUNCTION AS A NEUROTRANSMITTER OR MODULATOR.
-!- FUNCTION: BELONGS TO THE PARP (FMRFAMIDE RELATED PEPTIDE)
                                                                              Rattus sp.
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Rattus.
NCBI_TaxID=10118;
                                                                                                                                                                                                  STRAIN-Gunn;
MEDLINE=91282758; PubMed=1840486;
MEDLINE=91282758; Rashiwamata S., Koiwai O.;
Genetic defect of Dilitubin UDP-glucuronosyltransferase in the hyperbilitubinemic Gunn rat.";
Blochem Blophys. Res. Commun. 177:1161-1164(1991).
EMBL; S18636; ABB19259.1;
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C1, Last sequence update)
23, Last annotation update)
01-NCV-1996 (TrEMBLrel. 01, Created)
01-NCV-1996 (TrEMBLrel. 02, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
Bilirubin UDP-glucuronosyitransferase (Fragment).
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50.0%; Pred. No. 8.3e+05;
ative 1; Mismatches 0;
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Local Similarity 100.0%; Pred. No. e...
Conservative 0; Mismatches
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100.0%; Pred. No.
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Best Local Similarity
1; Conserve
                                                                                                                                                                                   SEQUENCE FROM N.A.
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01-NOV-1996
01-MAR-2003
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
                                                                                                                                         2003, 17:44:11 ; Seatch time 33 Seconds (without alignments) 46:919 Million cell updates/sec
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Compuge:: Ltd.
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                       GenCore version
Copyright (c) 1993 - 2003
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Maximum Match 100%
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Q99007
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P82541
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RAY SEQUENCE, FUNCTION, AND MASS SPECTROMETRY.

RECOURSELY ALWARD: TISSUE-Leaf;

REALINGLY ALWARD: TISSUE-Leaf;

REALINGLY ALWARD: TISSUE-Leaf;

REALINGLY SEARCH REALINGLY REAL
Yamaguchi K., Subra-anian A.R.;
"The plastid ribosomal proteins. Identification of all the proteins in the plastid ribosomal proteins. Identification of all the proteins in the 50 S subunit of an organelle ribosome (chloroplast).";
J. Biol. Chem. 275:28466-28482 (2003).
-!- FUNCTION: THIS PROTEIN BINDS DIRECTLY TO 23S RIBOSOMAL RNA.
-!- SUBCELLULAR LOCATION: CHLOROPLAST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllidae; Caryophyllales; Chenopodiaceae; Spinacia.
                                                                                                                                                                       11SSUE SPECIFICITY: EXPRESSED IN ALL PLANT TISSUES.
1- MISCELLANEGUS: CN THE 2D-GEL ITS MM IS: 16.5 KDA.
1- SIMILARITY: BELLONGS TO THE LIOP FAMILY OF RIBOSOMAL PROTEINS.
InterPro; IPR001790; Ribosomal L10.
InterPro; IPR001363; Ribosomal L10eub.
PROSITE; PR00466; Ribosomal L10; PARTIAL.
PROSITE; PS01109; RIBOSOMAL.E.:0; PARTIAL.
Ribosomal prote:n; Chloroplast; rRNA-binding.
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P02541.
01-CGT-2030 (TrEMBLrel. 15, Created)
01-CGT-2030 (TrEMBLrel. 15, Last sequence update)
01-CWN-2031 (TrEMBLrel. 17, Last annotation update)
Chloroplast 30S ribosomal protein S19 beta (Fragment).
Chloroplast.
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SECJENCE 6 AA; 678 MW; 6321B415BC5DB000 CRC64;
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100.0%; Pred. No. 8.3e+05;
tive 0; Mismatches 0;
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Best Local Similarity
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P82541
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                                                                                  Eukaryota, Viridiplantae, Streptophyra, Embryophyta, Trachoophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae, Pouldeae,
Triticeae, Hordeum.
                                                                                                                                                                                                                                    SECUENCE FROM N.A. MEDINE-1931055, MEDINE-19329704; PubMed-1931055, MEDINE-19329704; PubMed-1931055, Medichen J.V., Close T.J., Close T.J., Control of transient expression of chimaeric Jenes by gibberhille acid and abscisic acid in protoplasis prepared from matrix baseley
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MCH:TaxID:1396;
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01 UNN-2000 (TrEMBLrel. 14, Created)
01-UNN-2000 (TrEMBLrel. 14, Last sequence update)
01-UNN-2002 (TrEMBLrel. 16, Last annotation update)
(Chloroplast 50S ribosomal protein Lie beta ifftyphenel.
Spinacia oleracea (Spinach)
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Last segrence update:
Last annotation update:
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STRAIN.NCIMB 11736;
STRAIN.NCIMB 11736;
Barowne N., Dowds B.C.A.;
Schorted (ULL 2001) to the SWISS-PMT data hank, NON_TER 5
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1) Conservative 0: Mischippes
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Local Similarity 100.0%; Pred. No. 8.3
tes 1; Conservative 0; Mismatches
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STRAIN-CV. ALMARC, TISSUELLEAT;
MEDLINE-20439738; Pubmed-10874044;
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Plant Mol. Biol. 16:713-721(1991)
EXBL; X54643; CAA38455.1; -.
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61.0CT-2001 (TEXBLEE] 18, D-
91.0CT-2001 (TEXBLEE] 18, D-
98 KDB protein (Fragment).
                                                            Hordeum valgare (Barley).
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pha amylase (Fragment)
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Gaps

us-09-914-088-6.closed.rspt

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** STRAINCEV. ALWARO, TISSUE-Leaf;

**X PARAGOLANCEV. ALWARO, TISSUE-Leaf;

**X PARAGOLANCEV. ALWARO, PubMed=10874046;

**X PARAGOLANCEV. SERVERARATIAN A.R.;

**X PARAGOLANCEV. SERVERARATIAN A.R.;

**X Tanagolance in the server of the server of all the proteins in the 50 % subunit of an organelie ribosome (chloroplast).";

**X Tanagolance in the server of the serv
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                                                    PRESENT PRELIMINARY; PRI; 6 AA.
P82182;
D1-CIN-2000 (TrEMBLrel. 14, Created)
D1-CIN-2000 (TrEMBLrel. 14, Last sequence update)
D1-CIN-2002 (TrEMBLrel. 120, Last annotation update)
Chloroplast 50S ribosomal protein L10 gamma (Fragment).
Spinacia oleracea (Spinach).
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Trnncheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; corr eudicots; Caryophyliales; Chemopodiaceae; Spinacia.
NBE TAXID-3562;
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RESULT 7
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Search completed: November 5, 2003, 10:48 oB Gob tore : 33 sees

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AAB25912 standard; Peptide; 6 AA
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(without alignments)
23.809 Million cell updates/sec
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GenCore version 5.1.6 (c) 1993 - 2003 Compugen Ltd.
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Gapop 10.0 , Gapext 0.5
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rBPI(1-199)_Ig fus	93	22	9	50.0	16	44
ca-casomorphi	1937	21	9	。	16	43
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a)	536	19	9	o.	16	41
termi	739	19	9	0	16	40
Peptide antagonist	1537	18	9	ö	16	39
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Peptide encoded by	9	22	9	w.	17	26
mmunc	8340	21	9	3	17	25
Affinity ligand fo	601	50	9	ω.	1.7	24
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CD66 fa	55	23	Ŋ	٣.	17	21
Bovine beta casein	28	18	Ś	ä	17	20
Soybean diverged d	55	23	9	9	18	19
Synthetic hexapept	949	22	9	ģ	18	18
LPXTGX motif of er	AAY95785	21	9	9	18	17
V beta 6 clone fou	151	20	9	è,	18	16
Apoptotic protease	Ś	9	9	9	18	15
Phosphorylated tau	3755	7.4	9	Ģ.	18	14
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an P-glycoprot	O	23	rc	9	18	12
Human neuroendocri	49	19	S	9	1.8	11
Human BCA3 SH2-dom	998	24	4	è	6	10

ALIGNMENTS

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IgE C-epsilon-2 domain surface exposed epitope peptide P6 SEQ ID NC:6
                                                                          Epitope, mimotope, human, immunoglobulin E, IgE, C-epsilon-2 domain, allergic disease, immunoprophylaxis, immunotherapy, antiallergic, immunosuppressive, vaccine, histamine release inhibitor, immunogen,
                                                                                                                                                                                                                                                                                                                                99GB-0004405.
99GB-0007151.
99GB-0010538.
99GB-0010538.
99GB-0018603.
99GB-0021046.
99GB-0021047.
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05.JAN-2001 (first entry)
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                                                                                                                                       allergy; atopy
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29-MAR-1999;
07-MAY-1999;
07-MAY-1999;
07-AUG-1999;
07-AUG-1999;
07-SEP-1999;
29-OCT-1999;
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WO200216409-A2
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                                                                                       Flinn N,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
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                                                                                                                                                                                                                                                                                                                                                 The present invention describes a peptide (1) comprising an isolated surface exposed group/epitope (B) of C-epsilon-2 domain (D) of immunogichaline (1986), or its mimotope. Also described are: (1) an immunogichaline (1986), or its mimotope. Also described are: (1) an immunogichaline (1986), or its mimotope. Also described are: (1) an immunogicality and alergies comprising (II); (2) a vaccine (III) for treating aliergies comprising (II); (3) a ligand (19) comprising (IV); (5) a periodic (1a) capable of being recognised by (IV); (6) an immunogen (II) and an ending (II) and (IV); (6) an immunogen (III) by producing (II); (1) and and histamine release inhibitor. (7) (17) and (III) are used as a vaccine and histamine release inhibitor. (7) (17) and (17) are useful in medicine and in the manufacture of medicaments for ireating and preventing also in manufacture of medicaments for ireating allergies. (1) is useful in diagnostics and in the affinity purification of control of the present are useful in diagnostics and the vacilering from allergies. (10) is also useful in diagnostic and are subjected to the present
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                                                                                                                                                                                                                      Peptides useful for treating, preventing and ameliorating allergic diseases, comprising an isolated surface exposed group of a specific domain from immunoglobulin E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                           enwood J, Hewitt E, Lamont A, Mason S,
Van Medkelen MP, Vinals De Bassols YC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human, linkage technology, conjugated compound, carrier vehicle, epitope, Cepsilon2, Cepsilon3, Cepsilon4, immunoglobulin B, 198 mediated disease, antibody response.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Score 32; EB 21; Lengti 6; 100.0%; Pred. No. 9.38+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Peptide P6 derived from Cepsilon2 region of human 198.
                                        (SMIK ) SMITHKLINE BEECHAM BIOLOGICALS. (PEPT-) PEPTIDE THERAPEUTICS LTD.
                                                                                                           Greenwood J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAU16637 standard; Peptide; 6 AA
                                                                                                                                                                                                                                                                                                             Claim 7; Page S; 129pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21 DLC-1999; 99GB-0030233.
22-FEB-2000; 2000GB-0004096.
22-AUG-2000; 2000GB-0020707.
22-AUG-2000; 2000GB-0320708.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21-DEC-2000; 2000WO-GB04935.
99GB-0027698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity 100.
6; Conservative
                                                                                                           Friede M, Green, Turnell WG,
                                                                                                                                                                             WPI; 2000-572073/53.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6 A.A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200145745.A2
23-NOV 1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Home sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07-NCV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28 JUN-2001
                                                                                                                                Randall R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     invention
                                                                                                             Dyson M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAU16637;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Sest Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
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AAU16637
A CONTRACTOR OF A CONTRACTOR O
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The present invertion relates to linkage methodology for use in the conjugation of compounds (e.g. peptides) to carrier vehicles (e.g. macromolecules, polymers, dendrimers, proteins) to produce biological and immunological constructs. The invention provides a method for linking an epicope (e.g. a peptide) to a carrier (e.g. a method for linking an epicope (e.g. a peptide) to a carrier (e.g. a protein) for use in a pharmaceutical composition or a vaccine. The invention describes peptides derived from or minotopes of the invention describes peptides derived from or minotopes of the compositions of the invention are useful in the manufacture of a medicament for the treatment of impact of the invention are useful in the manufacture of a medicament for the treatment of IgE mediated diseases. The invention protein so as to form an immunogenic conjugate which may be able to raise a protective antibody response in an animal or human patient.

Abul6632-Abul6313 represent peptides derived from or mimotopes of the Cepsilon3/Cepsilon4 region of human 1gE.
                                                                                                                                                                                                                                                     an immunogenic conjugate useful treatment of IgE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      human; IgE; immunoglobulin E; allergy; thio-ether linkage;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conjugate for use in vaccine for treatment of allergy, comprises disulfide bridge cyclized peptide and immunogenic carrier
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ;
;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Turnell WG, Vinals Bassols YC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 32; DB 22;
103.0%; Pred. No. 9.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human IgE immunogenic peptide SEQ ID NO: 6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (SMIK ) SMITHKLINE BEECHAM BIOLOGICALS. (PEPT-) PEPTIDE THERAPEUTICS LTD.
(ACAM-) ACAMBIS RES LTD.
(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.
                                                                                                                                                                                                                                                                                                                                                           Example 4; Page 21; 48pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABJ00222 standard; Peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22-AUG-2000; 2000GB-0020717.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17-AUG-2001; 2001WC-EP09576
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                                                                                                                                                                                                                                                         comprising
                                                                                                             Johnson T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mason S,
                                                                                                                                                                                 WPI; 2301-521967/57
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Best Local Similarity
                                                                                                                                                                                                                                                                                           mediated diseases
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The present invention describes a conjugate (1) and its salts. (1) has the formula CT-LI-Sp1-Sp2-K, where: CT - cytotoxic radical or radical of a cytostatic derivative optionally also carrying a CB, CCB or NH2 group, LI - linker comprising 5 to 8 amino acids each optionally carrying protecting groups; Sp1 = absent, CO or CS, Sp2 = optionally carrying protecting groups; Sp1 = absent, CO or CS, Sp2 = optionally carrying arylene or alkylene; and K = unsubstituted or regions factively modified carbohydrate radical. Also described: (1) a piocess for preparation of the conjugates; (2) a medicament comprising the conjugate. (1) has cytostatic activity. The conjugates are useful for treating cancer. The conjugate is cleaved by enzyms found especially in turbur lissue to release the cytotoxic drug. As the drug is not active until after cleaved it will not cause harm to non-turbour proliferation of therefore reducing the side-effects associated with the ner of such
                                                                 where the conjugate comprises a disuiphide bridge cyclised peptide and an immunogent carrier. The vaccines can be used in the treatment of allorgies. The present sequence is a peptide immunogen derived from human immunoglobulin E (198) suitable to be cyclised and used in the invention.
                                                  The present invention relates to conjugates suitable for use in vaccines,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cytostatic-glycoconjugates useful for preating march have specifically cleavable peptide linking units so as to deliver drug to tumor only
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "C-terminally modified with campitathetin PPA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Camptothecin peptide conjugate, cytostatic, glycosconjugate, tumour, specifically cleavable peptidic linking unit, cancer.
                                                                                                                                                                                                 Length 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "N-terminally modified with 20-0-"
                                                                                                                                                                                           Score 32; DB 23;
Pred. No. 9.3e+05;
; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Camptothecin peptide conjugate II.21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                              ABPS3525 standard; peptide; 6 AA
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                Page 9; 45pp; English.
                                                                                                                                                                                               100.0%;
100.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                            Query Match
Best Local Similarity 100...
6, Conservative
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                                                                                                                                                                                                                                                                  1 PGTINI 6
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                                                                                                                                                             6 AA;
                                                                                                                                                                                                                                                                                                    1 PGTINI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic
                  Claim 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                    ABP53525
                                                                                                                                                               Sequence
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drugs. The present sequence represents a camptothecin peptide conjugate, which is used in an example from the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         alpha_vbeta_1 integrin antagonists via linking units which can be selectively cleaved by enzymes such as metallo matrix proteases, i.e. enzymes found in turour tissue. The linking units can also raintain the serum stability of the conjugate of cytostatic and alpha_vbeta_1 integrin antagonist, and at the same time, show the despixed intracellular action within tumour cells as a result of its specific enzymatic and hydrolytic cheavability with release of the cytostatic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New conjugates of integrin receptor antagonist and a cytostatic agent with specific cleavable linking unit useful in the treatment of cancer
                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                             Camptothecin; integrin receptor antagonist; cytostatic agent; tumour cell; metallo matrix protease; hMF; carcinomatous disorder; integrin alpha vbeta 3 receptor antagonist; tumour growth inhibitor; tumour; integrin; camptothecin-bis-trifluoroacetate.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note: "Bound to Camptothecin bis-trifluoroacetate at position 20-0"
                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Schoop A;
                                                                                       Score 22; DB 23; Length 6;
                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Lockhoff O, Albers M,
                                                                                                          Pred. No. 9.3e+05;
                                                                                                                           2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                               Camptothecin peptide conjugate #19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Examples; Page 61; 127pp; English
                                                                                                                                                                                                                                                                                        ABG31530 standard; Peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /label= OTHER
                                                                                       68.8%;
50.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Lerchen H. Baumgarten J.
                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                           3; Conservative
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                                                                                                          Best Local Similarity
                                                                                                                                                              1 PGTINI 6
                                                        6 A.A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (FARB ) BAYER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic
                                                                                                                                                                                                                                                                                                                         ABG31530;
                                                        Sequence
                                                                                     Query Match
                                                                                                                           Matches
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ABG31530
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Length 6;

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62.5%; Score 20; DB 15; Length 6;
larity 75.0%; Pred No. 9.34+05.
Conservative 1; Mismatches 0; Indele
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Matches 3; Conserv
          Best Local Similarity
Matches 3; Conserv
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                                                                  PGT.L
                                            1 PGTI
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                                                                                                                                                  ABP67550;
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  Query Match
                                                                                                    RESULT 7
                                                                                                                 ABP67550
                                                                                                                                                  DP
DP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ide 2 analogues used pref. have Jud2; or Gid3; absent or replaced by Gly, Gin, Leu, Arg or Lys, partic. Gly and the Thr normally adjacent to Glu can be replaced by Arg or Gly. The IGF 2 shalogue Fret. comprises the Neternial given in AARS1450+5. Bsp. Long R3 IGF1, given in AARS1454 is used. It is the full human IGF 1 sequence with Arg replacing Glu3; and a 13 amino acid. Neterminal extension.
                                                                               Gaps
The present sequence represents a camptochecim-bis-miifluoroacetate compugated peptide used in an example of the method of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Grewth of birds is increased by (a) admin, to the bird, in ovo, insulin-like growth factor (IGE) i or 2 or their active analogues; (b) incubating to hatch and (c) growing the birds for at least 3 weeks after hatch.

IGE-1 analogues used pref. (i) lack 1 % N terminal amino andes or (ii) have (iii) absent or replaced by Gly, Gin, Leu, Atg or Ly, by Arg or Gly and the Thr normally adjacent to Siu can be replaced by Arg or Cly, and the Thr normally adjacent to Siu can be replaced by Arg or Gly, The IGE-1 analogue pref. comprises the Niterminal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9815
                                                                               . 0
                                                                                                                                                                                                                                                                                        sulin-like growth factor, IGF-1, IGF-2, bird: chicken, e.g., cvo, growth; promotion; increase, long R3 1GF-1, LR3 1GF-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Increasing growth of birds - with inculin like boar's factor delivered to the egg before hatching egg. (i) the constitution
                                                      Score 22; DB 23; Length 6;
Pred. No. 9.3e+05;
2; Mismatches I; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         McMurtry JP, Phelips PV,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (Updated on 25-MAR-2003 to correct FN field.
                                                                              2; Mismatches
                                                                                                                                                                                     AARS1446 standard; peptide; 6 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            laim 6; Page 37; 45pp; English.
                                                        68.8%;
50.0%;
                                                                                                                                                                                                                                                                                         insulin-like growth factor;
                                                                                                                                                                                                                                                                                                                                                                                             93WO-US08279.
                                                                                                                                                                                                                                                                                                                                                                                                                    92:15-0547035
                                                                                                                                                                                                                                 (updated)
(first entry)
                                                                                                                                                                                                                                                                  IGF-1 analogue N-terminal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ballard FJ, Francis GL,
                                                                               3; Conservative
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US SEC OF AGRIC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                          (EMPR-) SMBREX INC.
                                                                   Similarity
                                                                                                     1 PGTIN: 6
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                                   6 A.A.;
                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                W09406445-A1
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                                                                                                                                                                                                                                25-MAR-2003
27-0CT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       in chickens.
                                                                                                                                                                                                                                                                                                                                                                       31 - MAR - 1994.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Walton PE;
                                                                                                                                                                                                             AAR51446;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Seguence
                                    Sequence
                                                         Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GROP-)
                                                                               Matches
                                                                                                                                                                       RESULT 6
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                                                                                                                                                                                                                                                                                                    Human; CD66; CEACAM; cytostatic; antiinflammatory; immunomodulator;
antibacterial; virucide; gene therapy; vaccine; neutrophil;
immune system; autoimmune disease; cancer; infection; bacterial; virus;
inflammatory disease; transplantation; immunisation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (a) activation of neutrophils; (b) activation of inhibition of T-cells, B-cells, NK cells, LAK cells, dendritic cells or other immune system cells; (c) proliferation and/or differentiation of the above cells, including epithelial cells; (d) icontypic and/or here.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (e) adhesion of CD66 family members to other ligands. The peptide is useful in modulating the function of CD66 family members and/or their ligands, such as activation of neutrophils and activation, inhibition, proliferation and/or differentiation of the immune cells. The peptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           may also be used in treating or diagnosing autoimmune diseases, cancer, infections (e.g. bacterial or viral) or inflammatory diseases, in transplantation therapies and for immunisation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New peptide from a surface exposed region of a CD66 family member, useful for modulating the function of CD66 family members, e.g. activation of neutrophils, for treating or diagnosing autoimmune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             diseases or cancer, and as a vaccine
ABP67550 standard; Peptide; 6 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 2; Page 27; 96pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27-FEB-2002; 2002WC-US05720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-FEB 2001; 2001US-272113P
                                                                                                                                                          (first entry)
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thrombosis, diabetes, tropism-modified virus
                                                                                                                                                           Example 1; Page 32; 128pp; English.
        AAY90183 standard, peptide, 6 AA
                                                                                                                       Latta M,
                                                                                              99WO-IB31524.
                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 103.0
                                                                                                              (AVET ) AVENTIS PHARMA SA
                                AdS HVR5 loop fragment
                                                                                                                       E, Dedieu J,
                                                                                                                               WPI; 2000 256653/22
                                                                                                                                                                                                                                                                  6 A.A.;
                                                                             WC280012738-A1
                                                                      Adenovirus sp
                                                                                              27 AUG-1999;
                        21 SEP-2000
                                                                                      09-MAR-2000
                                                                                                                                                   restenosis
                AAY90183;
                                                                                                                                                                                                                                                                   Sequence
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cell antigen receptor Wheta chain CDR3 peptide
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                                                                                                                                                                                                                    AAY66968 standard; peptide; 3 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99WC-JP02814.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                98JP-0149855.
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                                                                                                                                                                                                                                                                                                                                                                                11-APR-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nishloka K, Yoshino S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2000-086978/07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
es 3; Conserv
                        9
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1
PGT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29-YAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   W09963084-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-OCT-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
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                                                                                                                                                                                    AAY66968
ID AAY6
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                                                                                                                                               RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   for manufacturing a medicine used in gene therapy treatment of a disease. The viruses can also be used to inhibit smooth muscle cell proliferation, to treat peripheral artery diseases, cotomary artery diseases, obesity,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  neurodegenerative diseases, infections, autoimmune diseases, asthma, HIV, thrombosis, and diabetes. The viruses are particularly targetud against a urokinase-type plasminogen activator receptor (UPAR). The adenoviruses
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ligand epitope, UPAR, urokinase-type plasminogen activator reloptor; adenovirus, haxon HVRS loop, haxon HI loop, peripheral artery disease; recombinant adenovirus vector; tumour; restencis; gener therapy; asthma, smooth muscle cell proliferation inhibitor; coronary artery disease; obesity; neurodegenerative disease; infection; autoimmune disease; HIV;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Urokinase-type plasminogen activator receptor (UPAR)-targeted adenovirus vectors having modified hexon HVRs and HI loops and modified fiber proteins useful for targeted gene therapy to treat cancer or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Perricauder M;
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Compositions which contain autoantigenic peptides binding specifically to T cells expressing acceptors containing the peptide sequences, which include antiger-specific immunological tolerance to rheumatoid arthritis can be used for the treatment and prevention of rheumatoid arthritis. The invertion can be used for the diagnosis, treatment and prevention of rheumatoid arthritis. Sequences ANY66959-977 represent peptides from the CDR3 region of various Wheta chains of T cell antigen receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   T-cell antigen receptor V-beta chain CDR3 region seguences accumulated in synovial membranes of theumatoid arthritis patients
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to peptide sequences present in the synovial fluand membranes of rheumatoid arthritis patients, arising from the CDR region of oligoclonal pathogenic T-cell antigen receptor Vbeta chains.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
Rheumatoid arthritis; arthrosis deformans; 7-cell antigen receptor; Vbeta chain; autoantigen; immunological tolerance.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        56.2%; Score 18; DB 21; I
100.0%; Pred. Nc. 9.3e+05;
ive 0; Mismatches 0;
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WO9845322-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to human breast canner associated (RCA) genes and polypeptides. BCA sequences are useful for preventing or treating breast cancer. Other BCA-related disorders that may be treated include allergy, bone disease, eating disorder, infectious disease, ovarian cancer, prostate cancer, maignant tumours, sarcoma, Ewing's tumour, lenkaemia, lymphomas, or polycythaemia vera. BCA sequences are also useful in forensic hiology, disgrostic assays or pharmacognomics or for minitoring clinical trials. The invention is useful in gene therapy and as varcines. The present sequence is human BCA SH2-domain briding site.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; beta amyloid precursor protein; beta AFF, Hiagnists; concert
trameshift mutation; age-related disease; neurode-pretative disorder;
Alzheimer's disease; Down's syndrone myotomic dystrophy; neuronal;
Humington's disease; multiple sclerosis; alcohalis liver disease;
diabetes mellitus type II; microtubule associated pictein; Tau; Big Tau;
undquittin B; apolipoprocein E; MAP2; neurofilament i, neurofilament i,
neurofilament-F; presenilin I; presenilin II; presenili
infectious disease, eating disorder, cancer, Ewing's turbour, allergy, turbour, polycythaemia vera, forensic biology, gene therapy, leukaemia, bone disease, sarcoma, vaccine.
                                                                                                                                                                                                                                                                                                                                                                                                                     New breast cancer associated (BCA) genes and polypeptides, useful for preventing, treating, diagnosing or staging breast cancer, or other BCA-related disorders, e.g. prostate cancer, sarcoma, Ewing's tumor,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    high mobility group protein C, heuroendocrine specific protein A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human neuroendocrine-specific protein NSP-A morano tradment 67.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  56.2%; Score 18; DB 24; Length 4; 100.0%; Pred. No. 9.3e+05; in Pred. ive 0; mismatches 0; in Pris.
                                                                                                                                                                                                                                                                                                (SUNN-) SUNNYBROOK & WOMEN'S COLLBGE HEALTH SCI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 17; Page 146; 195pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY21493 standard, Protein, 5 AA
                                                                                                                                                                                                                                                       27-APR-2001; 2001US-287170P
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Matches 3, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            leukemia or lymphomas
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Homo sapiens
                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22 JUL-1999
                                                                                                                                                                                                               29-APR-2002;
                                                                                                                                                                       07 · NCV - 2002 .
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                                                                                                                                                                                                                                                                                                                                          Seth A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 11
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This invention describes a novel method for the diagnosis of a disease caused by, or associated with, an RNA molecule that has a frameshift mutation. The method is used to diagnose age-related diseases, especially cancer and a wide range of neurodegenerative disease, soperially disease, Down's syndrome, myotonic dystrophy, Huntington's disease, altoholistic to the case melitius type II multiple solerosis, alcoholistic liver disease, diabetes melitus type II and many others listed or susceptibility to these disorders. The method allows a definitive diagnosis of Alzheimer's disease in living patients, at an early stage. It is based on the observation that disease may be caused by mutations in RNA rather than DNA. The invention describes the used of meuromal system RNA molecules, specifically proceins including beta-amyloid precursor protein (beta-APP), the microtubule associated protein 2 (MAPP), the microtubule associated protein 2 (MAPP), inducibilament-1, neurofilament-1, neurofilament-1, neurofilament-1, presenilar tumour antigen p33, B cell leukemia/lymphoma 2 (bc1-2) prote oncogene, semanbornin III, HUPF-1, high mobility group protein-2 (HMSP C) and neuroendocrine specific protein A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human: P-glycoprotein, tryptic digest; proteolytic cleavage product; diabetes; Parkinson's diseate; Alzheimer's disease; malaria; cholera; human immunodeficiency virus infection; influenza; rabies; diphtheria; cancer, multi drug resistance; MDR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Diagnosing disease by detecting frameshift mutations in RNA or corresponding protein mutations - used to diagnose cancer and neurological diseases, particularly Alzheimer's disease, and also for treament and prevention with specific ribozymes or wild-type
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            56.2%; Score 18; DB 19; 1
100.0%; Pred. No. 9.38+05;
1V9 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                Van Deeuwen FW
                                                                                                                                                                                                (UVUT.) RIGKSUNIV UTRECHT.
(RCYA.) ROYAL NETHERDANDS ACAD ARTS & SCI
(UYRO.) UNIV ROTTERDAM ERASMUS.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Figure 19; 258pp; English.
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                                                                                                                                                                                                                                                                                                                                                Grosveld FG,
                                                                  98WO-IB00705
                                                                                                                                 97US-0043163
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                                                              02-APR 1998;
                                                                                                                                     10.AFR-1997;
                                                                                                                                                                                                                                                                                                                                                Burbach JPH,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Home sapiens
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15-CCT-1998
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The many sing the PV according to one parameter defining a charteristic cach parameter, thus generating the set of AAS representative of (1).

Also included are (1) a computer readable storage media (1); comprising a database of amino acid dequences corresponding to the polypeptide of interest; (2) a system (11) for generating a database of amino acid sequences corresponding to a polypeptide of interest; complises a processing unit which executes a spplication configured for generating the number of protecty complises a processing unit which executes a spplication configured for generating the number of protecty complises a clasvage products according to one parameter defining a characteristic cleavage products according to one parameter defining a characteristic of amino acid sequence; (3) a kit for quantifying at least one populations, where the computational analysis of the polypeptide of interest and complex of protecting to information derived from computational analysis of the polypeptide of interest and contacting the computational analysis of the polypeptide of interest and at least one peptide of a number of peptides is generated according to information derived from computational analysis of the polypeptide of interest and contacting the computational sample, contacting the protection of analysis of the polypeptide of interest and at least one peptide of a number of peptides, and detecting presence, absence one peptide of a number of peptides, and detecting presence, absence one peptide of a number of peptides, and detecting presence, absence of and/or level of antibody binding to thus quantify one polypeptide of antibody energing one provide and or an analysis of the polypeptide of an antibody binding to thus quantify mentating at the polypeptide of an antibody and the contacting the polypeptide of an antibody and the contacting the polypeptide of an antibody binding to thus quantify.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to generating set of amino acid sequences (AAS) representative of one desired polypeptide (I), involving computationally generating a number of proteolytic cleavage products (PCP) from (I), analysing the PCP according to one parameter defining a characteristic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               diphtheria, cancer (e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Parkinson's disease, Alzheimer's disease, huran irranodeficiency virus infection, malaria, cholera, influenza, rabies, diphtheria, carcer (e.g. breast, colon, cervix, melanoma, lung, ovary, pancreus, prostate, lymphomas and leukaemias). The present sequence is a predicted tryptic peptide from human P-glycoptotein generated to form part of a kit for identifying multi-drug (MDR) resistance associated proteins.
                                                                                                                                                                                                                                                                                                                                                                                                              by computationally generating protectytic cleavage products, analyzing and selecting the set of products, thus generating amino acid sequences
                                                                                                                                                                                                                                                                                                                                                                                 Generating amino acid sequences representative of desired polypeptide,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              least one attibody specific to a polypoptible of interest. The poptides or attibodies generated may be used to it whose diabotes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 1; Page 13; 124pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAR38234 standard; peptide; 6 AA
                                                                                                                                    14.3AM-2001; 20011L-0140881.
19-00T-2001; 2001US-0982172.
                                                                              11-JAN-2002; 2002EP-0075095
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Best Local Similarity
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1 TINV 4
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                          13-JUL-2002.
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                                                                                                                                                                                                                                                                            Katz BI;
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ID AAR3
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AC AAR3
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This is one of 26 preferred epitopes which occur in a phosphorylated state in tau protein from Alzheimer paired helical filaments. The epitopes all include phosphorylatable serine residues in Ser-Pro motifs, 11e-Gly-Ser motifs or Cys-Gly-Ser motifs and/or phosphorylatable threonine residues in Thr-Pro motifs. The pattern of tau protein phosphorylation differs between Alzheimer's and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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treatment; formation; inhibition; inhibitor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   non-Alzheimer's individuals. Knowledge of the phosphorylated epitopes and antibodies which recognise them may be useful in diagnosis, treatment and prevention of Alzheimer's Disease. The protein Kinses present in mammalian brain which phosphorylate the
                                                                                                                                                    Alzheimer tau protein; phosphorylation-dependent; PHF;
neuronal microtubule; mitogem activated protein kinase; MAP kinase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tau protein epitope(s), specific antibodies and protein kinase(s) used in the prevention, diagnosis and treatment of Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   different epitopes are also claimed but no sequences are given. (Updated on 25-MAR-2003 to correct PN field.)
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                                                                                            Alzheimer paired helical filament tau protein epitope 200-205
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/label= Phosphorylation_motif
                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
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Best Local Similarity 100.
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                                                                                                                                                                                                                                                                                                                                                   Modified-site
                                                                                                                                                                                                                                                       Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                            WO9311231-A1
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Steiner B;
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PERSONAL PROPERTY NAMED AND ASSOCIATED ASSOC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Steiner B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The sequence is that of an epitope of tau protein which specifically cours in a phosphorylated state in tau protein from Alzheimer's paired heliver's fragments. If any be used as part of a method for the in witro diagnosis and/or monitoring of Alzheimer disease it may also be used in an in vitro model for the study of the generation of the Alzheimer state of proteins and the testing of substances which prevent the conversion of formal to Alzheimer cau protein. The Updited on 35-MAR-2003 to correct by field.)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Phosphorylated tau protein epitope associated with Alzheimer's disease \gamma is used as protein kinase inhibitor for treatment and
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This sequence represents an apoptotic protease activating factor-2 (Apaf-2) tryptic peptide which corresponds to residues 40-53 of human cytochrome. The invention relates to an in vitro model for change the regulation of apoptosis. Compositions are assayed in vitro for regulation of apoptosis. Compositions are assayed in vitro studying the regulation of apoptosis. Composition and a loop of supernatant extract (A) from cells, not committed to apoptosis, from a multicellular expensising (A) and a known inhibitor or known inducer of apoptosis, or a compound known to have no effect on apoptosis; (d) assessing either (i) activation of apoptosis from an increase in cytosolic cytochrome c, CPP12 protease activity or ability to fragment general in a civilation of apoptosis by a reduction in these quantities in a mixture containing a known inducer, relative to control without test compound. The test is performed on mammalian cells specifically Heid callolabelled polyidenosine diphosphate ribose) polymerase (PARP) or labelled sterol regulatory binding protein (SRBBP), and then detecting radiolabelled polyidenosine diphosphate ribose) polymerase (PARP) or labelled sterol regulatory binding protein (SRBBP), and then detecting intact mammalian cell nuclei, incubating, extracting genomic DNA and on the extract contains enough ATP and/or corresponding diphosphate (AADP) to allow induction of an apoptotic response. AATP and soluble cytochrome c are required for initiation of appropriation is required for initiation of another appropriation is effected to response. AATP and soluble cytochrome c are required for initiation of another appropriation of an apoptotic response. AATP and soluble responding diphosphate (AADP) to allow induction of an apoptotic response.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                deficiency), as a potential treatment for this condition. Unlike known methods, this process does not use cells in which the apoptotic pathway has already been induced. i.e. it is not subject to interference from other apoptosis inducing factors or other conditions.
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Cell-free assay to identify compositions that regulate apoptosis from their effect on e.g. cytosolic cytochrome clevels in cellular extracts, particularly to identify antitumour agents
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18 56.2 6 12 US-10-256-326 3 Sequence 3, Apr 18 56.2 6 15 US-10-198-590 4 Sequence 2, Apr 16 50.0 5 15 US-10-199-229 Sequence 2.28, Apr 16 50.0 6 11 US-09-817 1594-9 Sequence 4, Apr 16 50.0 6 11 US-09-83 257-4 Sequence 4, Apr 16 50.0 6 14 US-10-199-83 1 Sequence 4, Apr 15 46.9 5 11 US-07-98 006-142 Sequence 1-8, Apr 15 46.9 5 11 US-07-98 006-142 Sequence 1-8, Apr 15 46.9 5 11 US-07-98 006-142 Sequence 1-8, Apr	9	18	56.2	9	8	US-08-891-525-4	Sequence 4, Appli
18 56.2 6 15 US-10.195-590.4 8 equence 2.8. 16 50.0 6 10 US-20.2 8 equence 2.8. 16 50.0 6 10 US-09-853.257.4 8 equence 4. App 16 50.0 6 12 US-10-156.833.1 8 equence 4. App 16 50.0 6 14 US-10-156.833.1 8 equence 4. App 15 50.0 6 14 US-10-156.833.1 8 equence 4. App 15 46.9 5 11 US-758.833.1 8 equence 4. App 15 46.9 5 11 US-758.833.1 8 equence 6. App 15 46.9 5 11 US-758.833.1 8 equence 6. App 15 46.9 5 11 US-758.833.1 8 equence 6. App 15 5 11 US-758.833.1 8 equence 7. 8 equence 7. 14.2	:-	18	56.2	9	12	US-10-256-326 3	Segmente 3, Appli
16 50.0 5 15 US-10-206-699-22# Sequence 228, 16 16 50.0 6 10 US-09-853-23-4 Sequence 2, App 16 50.0 6 12 US-10-156-833-3 Sequence 2, App 16 50.0 6 12 US-10-156-833-3 Sequence 2, App 15 50.0 6 14 US-10-156-826-69 Sequence 2, App 15 46.9 5 11 US-10-156-80-69 Sequence 243, 243, 243, 244, 244, 244, 244, 244,	æ	18	56.2	9	15	US-10-198-590 4	Sequence 4, Appl:
16 50.0 6 10 US-09-817 199A-9 Sequence 9, Apr 16 50.0 6 11 US-10 250.4 Sequence 4, Apr 16 50.0 6 12 US-10 250.6 30.0 15 46.9 5 11 US-00-768 30.0 30.0 46.9 46.9 15 46.9 5 11 US-00-768 30.0 44.2 30.0 46.9 46.9	6	16	50.0	ហ	.5	US-10-206-699-229	Sequence 228, App
16 50.0 6 11 US-09-853 253-4 Seguence 4, Ap. 16 50.0 6 12 US-10 260-833 3 Seguence 4, Ap. 16 50.0 6 14 US-10 260-859 Seguence 6, Ap. 15 46.9 5 11 US-03-768 006-142 Seguence 148, 15 46.9 5 11 US-03-768 006-143	10	16	50.0	9	10	US-09-817 199A-9	Sequence 9, Appli
16 50.0 6 12 US-10.296-831; Sequence 1, Ap. 16 50.0 6 14 US-10.156 820-69 Sequence 15, Ap. 15 46.9 5 11 US-07.98 006-142 Sequence 142, 15 46.9 5 11 US-03.788-006-143 Sequence 142, 15 46.9 5 11 US-03.788-006-143 Sequence 143, 15 46.9	11	16	50.0	œ	11	JS:09-853 257:4	7
16 50.0 6 14 US-10-156 820-69 Segmente 69, A. 15 46.9 5 11 US-04-768 006-142 Segmente 143, 1. 15 46.9 5 11 US-03-788-006-143 Segmente 143, 1.	12	16	50.0	¥	12	US-10 280-831 1	, :
5 11 US-04-768 006-140 Segment 140, 7 5 11 US 00 788-006-143 Sequent 143, 7	ĵ	9,7	50.0	9	14	US-10-156 820-69	.69
5 11 US 00 088-006 143 Sequence 143, a	4	5.7	46.9	5	11	US-09-768 006-140	1
	5.2	ů.	46.9	2	11	03 788	7.4.7

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-09-788-006-1	- K98 - 900 - 07 - 80	US-10-006-869-30	US-1	US-09-997-900-7	US-C9-484-7C4-10	0S-09	C US-03-947-387-141	1 US-39-507-362-122	US-10	01-80	US-10	US-10		ns	0 US-09-768-155-8	⊃	'n	٥	865-018-	0 US-09-990-762-39	11 US-09-974-879-421	US-09-858-852A-	-60-SN	US-10-		US-10-	-10	4 US-10-011-436-12	4 US-10-156-820-48
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15 46.9	L> 46.9	15 46.9	15 46.9	15 46.9	15 46.9	15 46.9	4	15 46.9	4	15 46.9	4	15 46.9	15 46.9	15 46.9	14 43.8	14 43.8	14 43.8	14 43.8	14 43.8	14 43.8	14 43.8	14 43.8		14 43.8		14 43.8	14 43.8	14 43.8	14 43.8
91,			19	20		22	23	24	25	26	27	28	59	30	31	32	33	34	35	36	37	38	39	40	4 1	42	43	44	45

ALIGNMENTS

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RESULT:

US-10-082-014-277

US-10-082-014-277

Substances 277, Application US/10082014

Publication No. US2030189858A1

GENERAL INFORMATION:

MAPLICANT: Birkett. Ashley J.

TITLE OF INVENTION: IMMUNOSEN: 04/861/8112

CURRENT RELUGATION NAMES: 04/8910-014

CURRENT RELUGATION NAMES: 09/990-014

CURRENT RELUGATION NAMES: 09/990-015

FRIOR APPLICATION NAMES: 09/990-015

FRESULT 2

US-10-082-014-277

QUEST NAMES: 09/990-015

FRESULT 2

US-10-12-076-131

APPLICANT: Page: NAME: N
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Sequence 53, Application US/09982172

Retent No. US20020137119A1

GENERAL INFERMATION: PER SERVICE AND METHODS, SYSTEMS AND ANTIBO
TITLE OF INVENTION: DIRECTED THEREAGAINST, AND METHODS, SYSTEMS AND KITS FOR GENE
TITLE OF INVENTION: UTILIZING EACH
FILE REFERENCE: 01/2228

CURRENT FILING DATE: 2001-10-15

CURRENT FILING DATE: 2001-10-15

NUMBER OF SEC ID KUS: 233

SOFTWARE FATEULE: version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ·.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 55.2%; Score 18; DB 10; Length 5; Best Local Similarity 75.0%; Pred. No. 5.8e+05; Matches 3; Conservative 1; Mismatches 0; Indels
                     SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NAMER: US/09/832,464
FILING DATE: 11-Apr-2001
CLASSIFICATION: <UNKnown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Computer generated synthetic peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS: No. US20030696953A1 Relevant TOPOLOGY: No. US20036096953A1 Relevant
                                                                                                                                                                                                               ALLORWAL/ADDITATION CONTROL OF THE STRATIC NUMBER: CASE-02249
REGISTRATICN NUMBER: CASE-02249
TELECONAUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEPHONE: (415) 397-8338
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 4 amino_acids
                                                                                                                                                         APPLICATION NUMBER: US/09/184,826
FILING DATE: <UNKNOWN>
ATTORNEY/AGENT INFORMATION:
       OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 12:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 6
US-08-991 525-4
I Sequence 4, Application US/08891525
FUDLication No. US2022008164341
GENERAL INFORMATION:
APPLICANT: Mang, Xiacdong
APPLICANT: Liu, Xiacdong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 TINI 6
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US-09-982-172-53
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SOFTWARE, Pat
SEQ ID NO 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-982-172-53
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TITLE OF INVENTION. Targeted Ademovirus Vectors For Delivery of Heterologous Genes TITLE OF INVENTION. Targeted Ademovirus Vectors For Delivery of Heterologous Genes CORRENT AND ATTENDED TO SERVING APPLICATION NUMBER: US/09/791,524
CURRENT FILING DATE: 2001-02-22
PRIOR APPLICATION NUMBER: 60/038:8
PRIOR PILING DATE: 1998-38-27
NUMBER OF SEQ ID NOS: 150
SOFTMARE: Patentin Version 3.0
LENGTH: 6
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US-05 832-464 12
US-05 832-464 12
FUBLICATION NO. US200300505531
GENERAL INCORMATION:
Hale, Candha A. J.
HILE OF INVENTION: COMPOSITIONS AND METHORS SCREENING
ANTINICASIALS
ANTINICASIALS
ANTINICASIALS
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ADDRESSE: MEDLEN & CARROLL
STREET: 220 Montgomery Street, Statt 12:0
CITY: San Francisco
STATE: California
COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILE REFERENCE: 4564/87179
CURRENT APPLICATION NUMBER: US/10/172,076
CURRENT APPLICATION NUMBER: 10/080,299
PRIOR FILING DATE: 2002-02-21
PRIOR FILING DATE: 2002-02-21
PRIOR FILING DATE: 2002-02-21
PRIOR FILING DATE: 2002-02-22
NUMBER: OF SEQ ID NOS: 308
SOFTWARE: PETENT NOS: 308
SEQ ID NO 131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       United States of America
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COMPUTER READABLE FORM:
MADJLOT TYPE: Floppy disk
COMPUTER: IBM PC comparible:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RENULT 3
US 09-731-524-57
Sequence 57, Application US/09791524
Publication No. US20030143209A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.
Matches 4, Conservative
                                                                                                                                                                                                                                                                                                                                                         Hest Local Similarity 100
Matches 6; Conservative
                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Homo sapiens
US 10-372 076-131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7 TYPE: PRT
7 ORGANISM: Adenovirus
US 09-791 524-57
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                                                                                                                                                                                                                           LENGTH:
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                                                                                                                                                                                                                       Sequence 4, Application US/10198590
Publication No. US20030032045A1
GENERAL INFORMATION:
APPLICANT: Wang, Xiaodong
Liu, Xuesong
TITLE OF INVENTION: Regulation of Apoptosis and In Vitro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 56.2%; Score 18; DB 15; Length 6; Best Local Similarity 100.0%; Pred. No. 5.8e+05; Matches 3; Conservative 0; Mismatches 0; Indels
                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
COMPUTER: 18W PC compatible
OPEATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NATER: US/10/198,590
FILING DATE: 18-731-2002
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Greenlee, Winner and Sullivan, P.C.
STREET: 5370 Manhattan Circle, Suite 201
    Pred. No. 5.8e+05;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 08/891,525
FILING DATE: 11-JUL-1997
APPLICATION NUMBER: US 60/021,268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 45,495
REFERENCE/ODCKET NUMBER: 45-96A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 499-8080
TELEFAX: (303) 499-8089
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-198-590-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 228, Application US/10206699; Publication No. US2003010510A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 12-JUL-1996
ATTORNEY/AGENT INFORMATION:
NAME: YOC-Warren, Heeja
  Best Local Similarity 100.0%; P
Matches 3; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 4: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Sundaramoorthy, M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE: Colorado COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Boulder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 80303
                                                                  1 PGT 3
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TITLE OF INVENTION: MATERIALS AND METHOUS FOR CONTROLLING ISOTCHE EFFECTS DURING
TITLE OF INVENTION: MATERIALS AND METHOUS FOR CONTROLLING ISOTCHE EFFECTS DURING
FILE REFERENCE: 290.00230101
CURRENT FILING DATE: 2002-09-27
PRIOR APPLICATION NUMBER: US 60/325,336
PRIOR FILING DATE: 2002-09-27
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PATERIAL VERSION 3.0
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TITLE OF INVENTION: Regulation of Apoptosis and In Vitro
TITLE OF INVENTION: Model for Studies Thereof
NUMBER OF SEQUENCES: 7
CRRESPONDENCE ADDRESS:
CRRESPONDENCE ADDRESSE: Greenlee, Winner and Sullivan, P.C.
STREET: 5370 Manhattan Circle, Suite 201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          56.2%; Score 18; DS 12; Dength h;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  56.2%; Score 18; DB 8; Length 6; 100.0%; Pred. No. 5.8e+55; rive 0; Mismatches 0; Indels
                                                                                                                                                                                                    ZIE: 80303
COMPUTER READABLE FORM:
MEDILY TYPE: Floppy disk
COMPUTER: ISM FC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/891,525
PILING DATE: 11-JUL-1997
CLASSIFICATION: 435
PRICR APPLICATION DATA:
APPLICATION NUMBER: US 60/021,268
FILING DATE: 12-JUL-1996
ATTCRNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 3, Application US/10256326; Publication No. US20030186326A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Ferber, Donna M.
REGISTRATION NUMBER: 33,878
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: test peptide US-10 256 326-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION TELEPHONE: (303) 499-808C TELEPAX: (303) 499-8089 INFORMATION FOR SEQ ID NO: 4: SEQUENCE CHARACTERISTICS: LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SS: single
not relevant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   internal
                                                                                                                  JITY: Boulder
STATE: Colorado
COUNTRY: F'S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 3; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
STRANDEDNESS: sin
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ORGANISM: artificial
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LENGTH: 6
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APPLICANT: Boulanger, Pierre
APPLICANT: Boulanger, Saw See
APPLICANT: Hong, Saw See
APPLICANT: Hong, Saw See
APPLICANT: Rarayan, Lucie
TITLE OF INVENTION: Use of a Polypeptide as Cell Receptor for Adenoviruses
FILE REFERENCE: 032751-036
CURRENT APPLICATION NUMBER: 05/10/156,820
CURRENT FILING DATE: 2002-06-30
PRIOR FILING DATE: 1998-01-30
PRIOR FILING DATE: 1998-01-30
PRIOR FILING CATE: 1997-01-30
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                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                FEATURE:
OTHER INFORMATION: portion of consensus sequence of sigma-54 domains:
NAME/KEY: VARIANT
LOCATION: (1) ... (6)
OCHER INFORMATION: Xaa = Tip of Phe
US-09-853-257-4
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                                                                                                                                                                                                                                                                                         Score 16; DB 11; Length 6;
Pred. No. 5.8e+05;
1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SQUENCE 1. APPLICATION US/10280833
Publication No. US2003019515CA1
GENERAL INFORMATION:
APPLICANT: Reynolds, Charles Eric
APPLICANT: Peynolds, Charles Eric
APPLICANT: O'BRien-Simpson, Neil Martin
APPLICANT: Talbo, GerE Hoy
APPLICANT: Talbo, GerE Hoy
APPLICANT: Talbo, GerE Hoy
APPLICANT: Talbo, GerE Hoy
APPLICANT: Malkoski, Marina
TITLE OF INVENTION: ANTIMICROBIAL PEPTIDES
FILE REFERENCE: BOWNER: US/10/280,833
CURRENT FILING DATE: 2002-10-24
PRIOR FILING DATE: 2000-08-09
PRIOR FILING DATE: 2000-08-09
PRIOR FILING DATE: 1997-11-24
NUMBER OF SEQ ID NCS: 19
SEQ ID NO
    NUMBER OF SEQ ID NOS: 9
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO. 4
LENGTH: 6
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US-10-156-820-69
Sequence 69, Application US/10156820
Publication No. US20320150558A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                50.0%;
                                                                                         TYPE: PRT
ORGANISM: Artificial Sequence
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Best Local Similarity 50.0
Matches 2, Conservative
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Best Local Similarity
Than 3; Conserve
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US-10-280-833-1
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APPLICANT: Hudson, B.
TITLE OF INVENTION: Crystallized structure of Type 1V Collagen NC1 Domain Hexamer FILE REFERENCE: KHHR 01-1017
CURRENT APPLICATION NUMBER: US/10/206,539
CURRENT APPLICATION NUMBER: US 60/20-37-26
PRIOR APPLICATION NUMBER: US 60/20-35-2
PRIOR FILING DATE: 2002-37-26
PRIOR FILING DATE: 2001-10-29
PRIOR FILING DATE: 2002-10-29
PRIOR FILING DATE: 2002-10-29
PRIOR APPLICATION NUMBER: US 60/366,354
PRIOR FILING DATE: 2002-06-03
NUMBER OF SEQ ID NOS: 307
SCFTWARE: Patentin version 3:1
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Patent No. US20220142390A1

GENERAL INFORMATION:
APPLICANT: SHAO, West
TITLE OF INVENTION: SOLATED HUMAN RAS-LIKE PROTEINS.
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENVODING THESE HIMAH RAS-LIKE
FILE REFERENCE: CLOCI187

CURRENT APPLICATION NUMBER: US/09/817,190A

CURRENT PELING DATE: 2001-03-27

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PASESEC for Windows Version 4.6
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APPLICANT: Brendan N. Lilley
TITLE OF INVENTION: LUXO-SIGNAS4 INTERACTICUS AND METHERS OF
TITLE OF INVENTION: USE
FILE REFERENCE: PUNIV.002A
CURRENT APPLICATION NUMBER: 3009/853,257
CURRENT FILING DATE: 2001-05-10
PRIOR FILING DATE: 2001-05-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           50.0%; Score 16; UB 15; length 8; 75.0%; Pred. No. 5.8e+05;
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50.0%; Pred: No. 5.8e+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cuery Match
Best Local Similarity 50.00
The Local 2, Conservative
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Matches 3, Conservative
                                                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
CRGANISM: Homo sapiens
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CRGANISM: Homo sapien
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US-09-853-257-4
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Search completed: November 5, 2003, 17:53:22 Job time: 29 secs
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GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Klepeis, John L.
APPLICANT: ALPERICANT: ALENGE AND APPLICANT: 
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US-39-788-006-143
Sequence 143, Application US/09788006
Publication No. US2003036093A1
Settle Color Section Sequence 143, Application US/09788006
Publication No. US2003036093A1
SENERAL INFORMATION:
APPLICANT: Floudes, Christopher A.
APPLICANT: Klepels, John L.
TITLE OF INVENTION: Methods of Ab Initio Prediction ( Alpha Helicos, Reta Sheets, and TITLE OF INVENTION: Polypeptide Tertiary Structures
FILE REFERENCE: PU-0077
FILE REFERENCE: 2001-02-16
CURRENT APPLICATION NUMBER: US/09/788, C36
CURRENT FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 170
SECTION OF 143
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Query Match

Best Local Similarity 100.0%; Pred. No. 5.80+05;

Matches 3: Conservative 0; Mismatches 0; Indels
PRIOR A PLICATION NUMBER: FR 97/11166
PRIOR FILING DATE: 1997-09-09
NUMBER OF SEQ ID NOS: 98
SOFTWARE: FastSEG for Windows Version 4.3
SEQ ID NO 69
                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Phagotope
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) OKGANISM: Hordeum vulgare
US-09 788-006-142
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US-09-788-006 142
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19, Appl
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21, Appl
22, Appl
476, Appl
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51, Appl
61, Appl
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APPLICANT: Walton, Paul E.
APPLICANT: Ballard, Francis J.
APPLICANT: BALLARd, Francis J.
APPLICANT: MANULTY, John P.
APPLICANT: Pheips, Patricia V.
TITLE OF INVENTION: Method of Administering IGF-1, IGF-2, TITLE OF INVENTION: and Analogs Thereof to Birds
CORRESPONDENCE: 18
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DCS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 1.7-SEP-1992
CLASSIFICATION: 514
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llatity 75.0%; Pred. No. 2.5e+05;
Conservative 1; Mismatches 0;
US-08-459-888-19
US-08-460-452-5
US-08-460-452-19
US-08-460-452-19
US-08-459-557-19
US-08-459-557-19
US-08-459-557-19
US-08-459-209-5
US-08-459-209-19
US-08-459-209-19
US-08-459-209-19
US-08-459-209-19
US-08-459-209-19
US-08-724-476
US-08-274-642-2
US-09-274-642-2
US-09-274-642-2
US-09-274-642-2
US-09-274-642-2
US-09-274-642-2
US-09-274-642-2
US-09-282-089-5
US-08-282-089-5
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NAME: SIDLEY, Kenneth D.
REGISTRATION NUMBER: 31,665
REERENCE/DOCKET NUMBER: 5175-59
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919) 881-3140
TELEFAX: (919) 881-3175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-07-947-035-10; Sequence 10, Application US/07947035; Sequence 10, Application US/07947035; Patent No. 5444045; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Charlotte STAUS STATE: No. 5444045th Carolina COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kenneth D. Sibley
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEX: 575102
INFORMATION FOR SEQ 1D NO: 10:
SEQUENCE CHARACTERISTICS:
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STRANDEDNESS: single
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MEDIUM TYPE: Floppy
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Best Local Similarity
Matches 3, Conserv
       ADDRESSEE:
STREET: P.C
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          Sequence 10, Appl.
Sequence 1, Appl.
Sequence 3, Appl.
Sequence 4, Appl.
Sequence 4, Appl.
Sequence 4, Appl.
Sequence 4, Appl.
Sequence 3, Appl.
Sequence 4, Appl.
Sequence 4, Appl.
Sequence 4, Appl.
Sequence 4, Appl.
Sequence 5, Appl.
Sequence 6, Appl.
Sequence 6, Appl.
Sequence 6, Appl.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                  5, 2003, 17:46:11; Search time 22 Seconds
(without alignments)
11:539 Million cell updates/sec
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(GgT2 6/ptodata/1/:aa/sA_CCMB.pep: *

(GgT2 6/ptodata/1/:aa/6A_CCMB.pep: *

(GgT2 6/ptodata/1/:aa/6A_CCMB.pep: *

(GgT2 6/ptodata/1/:aa/6A_CCMB.pep: *

(GgT2 6/ptodata/1/:aa/PCTUS_CCMB.pep: *

(GgT2 6/ptodata/1/:aa/PCTUS_CCMB.pep: *

(GgT2 6/ptodata/1/:aa/PCTUS_CCMB.pep: *
                           GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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US-C9-121-585A-9
US-C9-121-585A-9
US-C9-184-825A-1
US-C9-184-825A-1
US-C9-121-452-1
US-C9-121-452-1
US-C9-121-452-1
US-C9-121-452-1
US-C9-121-452-1
US-C9-121-452-1
US-C9-125-1
US-C9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Listing first 45 summaries
                                                                                                                          protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                BLOSUM62
Gapop 10.0 , Gapext 0.5
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Maximum Match 100%
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32
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Match Length
                                                                                                                                                                                                                                                                                                                 1 PGTINI 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   seq length: 0
seq length: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                     Scoring table:
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Maximum DB
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Patent No. 6248543
GENERAL INFORMATION
APPLICANT: de Roer, Piet A.J.
APPLICANT: de Roer, Piet A.J.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR SCREENING
TITLE OF INVENTION: ANTIMICROBIALS
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: ADDRESSE:
STREET: 220 Montgomery Street, Suite 2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 4;
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MEDIUM TYPE: Floppy disk COMPUTER: IBM PC COMPATIBLE COMPUTER: IBM PC COMPATIBLE COMPUTER: IBM PC COMPATIBLE STATEM: PC-DCS/MS-LOS SOFTMARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATE: VS/09/184.826 FILMC DATE: FLING DATE: FLING DATE: CLASSIFICATION NUMBER: US/09/184.826 FILMC DATE: CLASSIFICATION: NUMBER: 32,837 REGISTRATION NUMBER: 32,837 REGISTRATION NUMBER: CASE.02249 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                            COMPUTER READABLE FORM:
NEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DCS
SOFTWARE: PatchtIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
RAPPLICATION NUMBER: US/08/651,818A
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             56.2%; Score 18; DB 2; Le
100.C%; Pred. No. 2.5e+05;
tive 0; Mismatches 0;
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL
STREET: 220 MONTGOMETY Street, Suite 2200
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Carroll, Peter G.
REGISTRATION UNBER: 32,837
REFERENCE/DOCKET NUMBER: CASE-02249
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 397-8338
INFORMATION FOR SEQ 1D NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 4 amino acids
                                                                                                                     California
: United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          United States of America
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not relevant
E: peptide
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Best Local Similarity 100.000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: San Francisco
STATE: California
COUNTRY: United Stat
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS:
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                                                                                                                                                          ZIP: 94164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-651-818A-12
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US-09-184-826-12
                                                                                                                                      COUNTRY:
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                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Merchant Gould, Smith, Edell, Welter's Schmidt
STREET: 3100 No. 5679771west Center, 90 S. 7th Street
CITY: Minneapolis
                                                                                                                                                                        Sequence 9, Application US/08321585A
Patent No. 567971
SEMERAL INFORMATION:
APPLICANT Read, Leanna
TITLE OF INVENTION: METHOD FOR TREATING INTESTINAL DISEASES
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant, Gould, Smith, Edell, Welfer & Schmidt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 3
US-08-651 818A-12
Sequence 12, Application US/08651816A
Sequence 12, Application US/08651816A
SENERL INFORMATION:
APPLICANT de Boer, Piet A.J.
APPLICANT Hale, Cynthia A.
TITLE OF INVENTION: COMPOSITION AND METHODS FOR SURFENING ITTLE OF INVENTION: ANTIMICROBIALS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            62.5%; Score 20, 08.1; Length 6; 75.0%; Pred, No. 2.5e+05; tive 1; Mismathtes 0; Intels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Hillson, Randali A
REGISTRATION NUMBER: 31,838
REFERENCE/DOCKET NUMBER: 6159.245JSWJ
TELECOWMINICATION INFORMATION:
TELEPHONE: 612/332-5300
TELEFAX: 612/332/9081
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Diskette
CCMPUTER: IBM Compatible
OPERATING SYSTEM: DGS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/321,585A
FILING DATE: 11-OCT-1994
CLASSIFICATION: 514
PROR PAPLICATION DATA:
APPLICATION NUMBER: 07/954,983
FILING DATE: 28-APR-1992
ATTORNEY/AGENT INPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FRAGMENT TYPE: internal CRIGINAL SCURCE: US-08-321-585A-8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 55402
CCMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
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Pest Local Similarity
The 3, Conserve
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2 PGTL 5
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PGTL 5
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STATE: M..
COUNTRY: U.S.
TO: 55402
                                     1 PGTI 4
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US-08 321:595A 8
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100.0%; Pred. No. 2.5e+05;
ative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: 1EW PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
   Mismatches
                                                                                                                                                                Sequence 4, Application US/07989962
Patent No. 5324820
GENERAL INFORMATION:
APPLICANT: Baxter, Robert
TITLE OF INVENTION: ACID-LABILE SUBUNIT
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: PCT/AU89/00299 NAME: 14-CUL-1989 PRIOR PEPLICATION DATA APPLICATION NUMBER: PJ3350/69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/989,362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/646,779
                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28,616
ER: 521pl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: 23-MAR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: P19314/88
NAME: 15-JUI:-1989
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Patent No. 5561046
CENSRAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: 15-JUL-1988
ATTORNEY/AGENT INFORMATION:
NAME: HSSAK, Janet E.
REGISTATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 521p
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: 415/266.1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SOC ID NO: 4:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Baxter, Robert
   3; Conservative
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TYPE: amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 3; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                   94080
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US-08-213-402-3
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US-07-989-962 4
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   Matches
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                                                                                                                                                                                                           Jengill 4,
                                                                                                                                                                                                         Score 18; DB 3; 5e Pred: No. 2:5e+05; 0; Mismatches 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk COMPUTER: 18M PC compatible COPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 3, Application US/07989962
Facent No. 5224826
SENERAL INFORMATION:
APPLICANT: BAXTER, ROBERT
TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SOUTHONES: 28
CORRESPONDENCE ADDRES:
STREET: 46C Point San Bruno Blvd
CITY: SCATA San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: PCT/AU39/6.239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 530
PRIOP APPLICATION DATA:
APPLICATION NUMBER: US/07/646,779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CPERATING SYSTEM: PC-DOS/MS-DOS/SS-DOSSSUFWARE: patin (General)
CNERENT APPLICATION DATA:
APPLICATION NUMBER: US/07/989,962
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: 15-JUL-1988
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFRENCE/DOCKET NUMBER: 521p;
TELECOMMYNICATION INFORMATION:
TELECOMMYNICATION 15,526-1896
TELEX: 910/311-7168
INFORMATION FOR SEQ. ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: 23 MAR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: P19314/88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: 14-CUL-1989
FRIOR APPLICATION DATA:
APFLICATION NUMBER: PJ3350/89
                                                                                                                                                                                                         Cuery Match
Best Local Similarity 100.0%; P. Matches 3; Conservative 0;
                                                                                                          STRANDEDNESS: not relevant TOPOLOGY: not relevant MOJECULE TYPE: peptide
                   TELEFAX: (415) 397-8338 information Por SEQ ID No: 12: SECTIONCE CHARACTERISTICS: LENGTH: 4 amino acids
 (415) 705-8410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         : Samino acids
amino acid
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COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inc
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Sest Docal Similarity
                                                                                              TYPE: amino acid
STRANDEDNESS: not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
                                                                                                                                                                                                                                                                                1 PGT 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
TELEPHONE:
                                                                                                                                                                        03-09 184-826-12
                                                                                                                                                                                                                                                                                                                                                                             RESULT 5
US-07-989-962-3
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APPLICANT: Baxter, Robert
APPLICANT: Baxter, Robert
TITLE OF INVENTION: ACID-LABILE SUBUNIT (ALS) OF
TITLE OF INVENTION: INSULIN-LIKE-GROWTH FACTOR (IGF) BINDING PROTEIN COMPLEX
NUMBER OF SEQUENCES: 26
CORRESPONDENCE SS:
ADDRESSE: Genentech, Inc.
STREET: 460 Point San Bruno alvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
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CCMPUTER READABLE FORM:
MEDIUM TYPE: 3.S. inch, 1 MB floppy disk
CCMPUTER: 1SM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,888
FILING DATE: 02-UN-1995
CLASSIFICATION: 514
           5.25 inch, 360 Kb floppy disk
                        COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCFEMENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/08/213,402
FILING DATE: 14-MAR-1994
CLASSIFFCATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/989962
FILING DATE: 11-DEC-1992
FILING DATE: 11-DEC-1992
FILING DATE: 11-DEC-1992
FILING DATE: 11-DEC-1992
FILING DATE: 11-JUL-1999
FILING DATE: 18-JUL-1999
FILING DATE: 18-JUL-1999
FILING DATE: 14-JUL-1999
FILING DATE: 14-JUL-1999
FILING DATE: 12-JUL-1999
FILING DATE: 12-JUL-1999
FILING DATE: 11-JUL-1999
FILING DATE: 11-JUL-1998
FILING DATE: 15-JUL-1998
FILING DATE: 15-JUL-1998
FILING DATE: 15-JUL-1998
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TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 3, Application US/08459888; Patent No. 5736511; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28,616
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELERAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Hasak, Janet E. REGISTRATION NUMBER:
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           MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 9
US-08-459-888-3
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TITLE OF INVENTION: ACID-LABILE SUBUNIT (ALS) OF INSULIN-LIKE-GROWTH FACTOR (IGF)
WHERE OF SEQUENCES: 28
CORRESPONDENCE ADDRESS
ADDRESSEE: Generices, inc.
STREET: 460 Point San Bruno Blvd
GITY: South San Francisco
STATE: Callfornia
COUNTRY: USA
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TITLE OF INVENTION: ACID-LABILE SUBUNIT (ALS) OF INCULINGUES GROWTH FACTOR (1GF)
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSE: Genentech, inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .
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                                                                                                                                                                                                               ZIP: 94083
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb Lioppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:
SCHWARE: patin (Genericeh)
CURRENT APPLICATION DATA:
APPLICATION NATR:
STILNG DATE: 14-MAR.1994
CLASSIFICATION: 435
PRIOR APPLICATION AND ATA:
APPLICATION NATRE: 07/989962
FILING DATE: 11-DEC-1992
FILING DATE: 11-DEC-1992
FILING DATE: 11-DEC-1992
FILING DATE: 11-DEC-1992
FILING DATE: 13-JAN.1991
PRIOR APPLICATION NUMBER: PTIL1999
FILING DATE: 14-JUL-1999
FILING DATE: 13-MAR.199
FILING DATE: 11-JUL-1998
FILING DATE: 11-JUL-1998
FILING DATE: 11-JUL-1998
FILING DATE: 15-JUL-1998
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100.0%; Pred. No.
tive 0; Mismato
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 52:PICIDI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
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Patent No. 5561046
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: 415/225-1896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TECEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEGUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Strilarity 100.0
Trahes 3, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
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ZIP: 9408
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RESULT 1:
18-68-460-452-3
Sequence 3. Application US/08460452
Parent No. 5849687
GENERAL INFORMATION:
APPLICANT: Baxeer, Robert
TITLE OF INVENTION: ACID-LABILE SUBUNIT (ALS) OF INSULIN-LIKE-GROWTH FACTOR (IG.)
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                          Length 5;
                                                                                                                                                                                                                                                                                                                                                                     Score 18; DB 1; Le
Pred. No. 2.5e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: 3.5 inch, 1 mb floppy disk COMPUTER: 1BM PC compatible OPERATING SYSTEM: PC.DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  %1 smatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/460,452
FILING DATE: 01-JJN-1995
CLASSIFICATION: S14
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/213402
FILING DATE: 14-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/989962
FILING DATE: 11-DEC-1992
PRIOR APPLICATION NUMBER: 07/646779
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              521PIC1D2
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STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: Callfornia
                                                                                                                                                                                                                                                                                                                                         56.2%; Sco.
100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 07/646779
FILING DATE: 18-JAN-1991
ATGNERSYAGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: patin (Generated)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28,616
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REFERENCE/DOCKET NUMBER: 52
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 415/952-981
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
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             TELEX: 910/371-7169
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3; Conservative
                                                                                                                                               5 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5 amino acids
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MEDIUM TYPE: 3.5 inc
                                                                                                                                                                                              amino acid
                                                                                                                                                                                                                                   TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 PGT 3
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| Patent No. 573651 |
| GENERAL INFORMATION: APPLICANT: BAXIER ROBER |
| TILE OF INVENTION: ACID-LABILE SUBUNIT (ALS) OF TILE OF INVENTION: AUGUSTION: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CCMFUTER REACHLE FORM:

MEDIUW TYPE: 3.5. inch, 1 MB ilorpy disk COMPUTER: 1BX PC compatible OPERATING SYSTEM: PC-DOS/MS-10CS SOFTWARE: 1BX PC compatible OPERATING SYSTEM: PC-DOS/MS-10CS SOFTWARE: pain (Genentech) CURRENT APPLICATION DATA: APPLICATION NUMBER: US/06/459,889 FILING DATE: 32-JUN-1995 CLASSIFICATION DATA: APPLICATION DATA: APPLICATION NUMBER: 08/213402 FILING DATE: 11-DEC-1992 PRIOR APPLICATION NUMBER: 07/646779 FILING DATE: 11-DEC-1992 PRIOR APPLICATION NUMBER: 07/64779 FILING DATE: 18-JAN-1991 ATTORNEY/AGENT INFORMATION: NAME: HASAK, JANET E. REGISTRATION NUMBER: 52.FIC:D3 TELECCHMUNICATION INFORMATION: TELECCHMUNICATION INFORMATION: TELECCHMUNICATION INFORMATION: TELECCHMUNICATION INFORMATION: TELECCHMUNICATION INFORMATION: TELECCHMUNICATION INFORMATION: TELECHNOME: 415/252.1896
APPLICATION NUMBER: 08/213402
FILING DATE: 14-MAR-1994
PRICA APPLICATION DATE: 7/889962
APPLICATION NUMBER: 07/889962
FILING DATE: 11-DEC-1992
PRICA APPLICATION DATE: 07/846779
FILING DATE: 18-JAM-1991
ATTORNEY/AGENT INCORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
FELEPRICE/POCKET NUMBER: 52:P10103
FELEPRICE/POCKET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: South San Francisco
STATE: California
CCUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 5 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          415/952-9881
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COMFUTER READABLE FORM:
MEDIUM TYPE: 3.5. inc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
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Sequence 4, Application US/08489557
Patent No. 5865160
SENERAL INFORMATION:
APPLICANT: BATERY Robert
TITLE OF INVENTION: ACID-LABILE SUBUNIT (ALS) OF
TITLE OF INVENTION: INSUIN-LIKE-GROWTH FACTOR (IGF) BINDING PROTEIN COMPLEX
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Generatech, Inc.
STREET: 460 Point San Bruno Bivd
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                                                                                          WEDILAR TEACHER 1976. 1 MB floppy disk COMPUTER: 18M PC COMPUTION COMPUTER: 18M PC COMPATIBLE POSS SOFTWARE: 18M PC COMPATIBLE COMPUTER: 18M PC COMPATIBLE COMPUTER: 18M PC DOS MS PELICATION DATA: 366/459,557 FILING DATE: 0.-JUN 1995 CLASSIFICATION: 536 PRIOR APPLICATION NUMBER: 08/213402 FILING DATE: 14-MAR-1994 PRIOR APPLICATION NUMBER: 0.798962 FILING DATE: 11-DEC:1992 PRIOR APPLICATION NUMBER: 0.798962 FILING DATE: 11-DEC:1992 PRIOR APPLICATION NUMBER: 0.798967 FILING DATE: 11-DEC:1992 PRIOR APPLICATION NUMBER: 0.7646779 FILING DATE: 18-JAN-1991 ATTORNEY/AGENTINGEMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: 3.5 inch, 1 MB floppy disk COMPUTER: 18M PC compatible POPRATING SYSTEM: PC-DOS/MS-DOS COPTABRE: 1.1.1
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FILING DATE: 02-UN-1995
CLASSIFICATION: 536
PRICE APPLICATION DATA:
APPLICATION NUMBER: 08/213402
FILING DATE: 114-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSE: Generatech, Inc.
STREET: 460 Point San Bruno Bivd
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Hasak, Janet E. 8,616
REGISTRATION NUMBER: 29,616
REFERENCE/DCCKET NUMBER: 521
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: patin (Genentech)
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TELER: 910/371-7168
INFORMATION FOR SEC 1D NO: 3: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 5 amino acids
                                                ZIP: 94080
COMPUTER READABLE FORM:
MEDIJM TYPE: 3.5 inc
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inc
STATE: California
COUNTRY: USA
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TCPOLOGY: linear
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                                                                                          Sequence 4. Application US/08460452
Patent No. 5849687
GENERAL INFORMATION
GENERAL INFORMATION
TITLE OF INVENTION: BINDING PROTEIN COMPLEX
TITLE OF INVENTION: BINDING PROTEIN COMPLEX
TITLE OF INVENTION: BINDING PROTEIN COMPLEX
TOTALS OF SOURCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Generatech, Inc.
STREET 46. Point San Bruno Blvd
CITY: South San Bruno Blvd
CITY: South San Francisco
STREET California
CONTRY: USA
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Patent No. 5866360
GENERAL INFORMATION:
APPLICANT: Baxeer, Robert
TITLE OF INVENTION: INSULIN-LIKE.GROWTH FACTOR (1000) PROTEIN COMPLEX NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSES: Generated, Inc.
STREET: 460 Point San Bruno B.vd
CITY: Scuth San Francisco
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COMPUTER: 13.5 inch, 1 mb floppy disk
MEDIUM TYPE: 3.5 inch, 1 mb floppy disk
COMPUTER: 1 EM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DCS
SOFTWARE: patin (Genetecn)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/460,452
FILING DATE: 0.1-UNN-1995
CLASSIFICATION: NUMBER: 08/213402
FILING DATE: 14-MRR-1994
PRICK APPLICATION: DATA:
APPLICATION NUMBER: 07/989962
FILING DATE: 11-DEC-1992
PRICK APPLICATION DATA:
AFFLICATION NUMBER: 07/646779
FILING DATE: 11-DEC-1992
PRICK APPLICATION NUMBER: 07/646779
FILING DATE: 11-DEC-1992
PRICK APPLICATION NUMBER: 07/646779
FILING DATE: 18-DR-1991
ATTORNEY ANGENT INFORMATION:
NAME: Hasak, Janet E.
FRENENCE/DOCKET NUMBER: 521P/TID2
FELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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TELEX: 910/371-7168
INFORMATION FOR SED ID NO: 4: SEQUENCE CHARACTERISTICS.
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// TOPOLOGY: linear
US:08-460-452-4
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US:08-459:557-3
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Matches
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US 08-459-209-3
I Sequence 3. Application US/08459209
I Sequence 3. Application US/08459209
I Sequence No. 593664
GENERAL INFORMATION:
APPLICANT: Baxter, Robert
ITTLE 0F INVENTION: ACID-LABILE SUBLNIT (ALS) OF
TITLE 0F INVENTION: INSULIN-LIKE GROWTH FACTOR UTGET BINDING PROTEIN COMPLEX
OFFESSED OF SECUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSED Generatech, Inc.
STREET: 460 Point San Bruno Bivd
CITY: South San Francisco
STREET: Aclifornia
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CURRENT APPLICATION DATA: US/08/459,205
FILING DATE: 0.2-UN-1995
CLASSIFICATION NUMBER: 08/213402
FILING DATE: 14-MAR-1994
PRIOR APPLICATION NUMBER: 07/989962
FILING DATE: 11-DEC-1992
PRIOR APPLICATION DATA: APPLICATION NUMBER: 07/646779
FILING DATE: 11-DEC-1992
PRIOR APPLICATION DATA: APPLICATION NUMBER: 07/646779
FILING DATE: 18-JAN-1991
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFENCE/DOCKET NUMBER: 521PICID3
TELECOMMUNICATION:
TELEPHONE: 415/225-1896
                                                                                                                                                                                         521210102
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 9408C
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.50 inc
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TOPOLOGY: linear
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; SEQUENCE CHARACTERISTICS;
; LENGTH: S amino acids
; TYPE: amino acid
; TYPE: amino acid
; TOPCLOGY: linear
US-38-459-209-3

Query Match
Best Local Similarity 100.0%; Pred. No. 2.56+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps
Qy | pGT 3 |
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Search Completed: November 5, 2003, 17:49:17
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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Match Length
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Maximum DB
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2 154357 2 PT0675 2 A60521 2 JN0862 2 C41225 2 C41225 2 B60274 2 PQ0009 2 553595 2 S1519 2 S1519 2 JT0520 2 JT0520 2 PT0267 2 PT0669 3 S68328 3 S68328	lase activase III - r.	.3%; Score 16; DB 2; .0%; Pred. No. 2.8e+0! e 0; Mismatches	sa ¥a ID	7%; Score 14; DB 2 1.0%; Pred. No. 2.8e; () Mismatches	ase - mouse (fragment) ius (house mouse) #sequence_revision 15-Jun-2001
7 7 7 7 7 7 7 7 7 7 7 7 9 9 9 9 9 9 9 9	RESULT 1 PS0124 Tribulose-bisphosphate carboxylase C; Species: Oryza sativa (rice) C; Accession: PS0124 #sequence_rev; C; Accession: PS0124 #sequence_rev; A; Reference number: PS0206 A; Accession: PS0324 A;	53 imilarity 60 ; Conservativ FTPPT 5 FQAPT 5	RESULT 2 B37988 acid proteinase light chain - slime mold (Phy c;Species: Physarum polycephalum: C;Date: 28-Jun-1991 #sequence_revision 28-Jun C;Accession: B37988 R;Murakami-Murofushi, K.; Takahashi, T.; Miro J. Biol. Chem. 265, 19898-19903, 1990 A;Title: Purification and characterization of A,Reference number: A37988; MUID:91060608; PM A,Status: preliminary A,Molecule: Type: protein A;Residues: 1-5 < MUR>	Similarity 166. 2; Conservative 3 PP 4	protein kinase - mouse : Mus musculus (house m 5-Jun-2001 #sequence_ré
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	RESULT 1 PS0324 Tibulose-bis CiSpecies: OC, Date: 03.F CiAccession: R:Tsugita, A R:	Query Match Best Local S Matches 3 Qy 1 Db 1	RESULT 2 B37988 acid protein C;Species: F C;Accession: C,Accession: A,Title: Pur A,Ritle: Pur A,Reference A,Status: pr A,Status: pr A,Status: pr A,Reference A,Status: pr A,Reference A,Status: pr A,Residues: A,Residues:	Ouery Match Best Local s Matches 3 Qy 3	RESULT 3 178890 tyrosine pro C;Species: M

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proctolin - American cockroach
Cispecies: Periplaneta americana (American Cockroach)
Cispecies: Postalists (1995)
Life Scil 17, 123-1256, 1975
A/Title: Structure of the peniapeptide proctolin, a proposed neurotransmitter in inset A/Reference number: A93648; MULD:76074708; PMID:576
A/Accession: A01644
A/
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C.Species: Homo sapiens [man]
C.Species: Homo sapiens [man]
C.Species: Homo sapiens [man]
C.Species: Homo sapiens [man]
C.Species: Mar.1991 #sequence_revision 3:-Mar.1991 #text_change 03-Feb-1594
C.Stacession: A02147
R.Mishioka, K.; Constantopoulos, A.; Satoh, P.S.; Najjar, V.A.
Blochem. Biophys. Res. Commun. 47, 172-179, 1972
A.; Naticle: The characteristics, isolation and synthesis of the phagocytosis stimulating A.; Reference number: A02147; M.JD:72187087; PMID:4112769
A.; Reference number: A02147; M.JD:72187087; PMID:4112769
A.; Residuis: 1, 4 cMIS.
A.; Residuis: 1, 4 cMIS.
A.; Rote: a peptide having the same structure, physical properties, and biological acti
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CiSpecies: Limuius polyphemus (Atlantic horseshoe crab)
CiSpecies: Limuius polyphemus (Atlantic horseshoe crab)
CiSpecies: Limuius polyphemus (Atlantic horseshoe crab)
CiAccession: A66411
Rightodes, 11, 205-21, 1990
Aiffice Identification of proctolin in the central tervous system of the horseshoe of Aiffice Identification of proctolin in the central tervous system of the horseshoe of Aifference number: A60411; MUID:90287800; PMID:2356151
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Matches 2; Conservative 0; Mismatches 0;
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CiAccession: 17689C

CiAccession: 17689C

CiCow, L. M.; Davidson, D.; Fournel, M.; Gosselin, P.; Lemieux, S.; Lyu, M.S.; Kozak, C.; Cicow, L. M.; Davidson, D.; Fournel, M.; Gosselin, P.; Lemieux, S.; Lyu, M.S.; Kozak, C.; Alfitie: Two distinct Protein isoforms are encoded by mtk, a csk-rolated tyrosine protein A.Reference number: 158407; MUD:95060800; PMID:7970703

A.Reference number: 158407; MUD:95060800; PMID:7970703

A.Accession: 178890

A.Molcoule: type: DNA

A.Molcoule: type: DNA

A.Residuation: A.R.Es>

A.Construction: A.R.Es>
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startion-induced ribonuclease - tomato
Cisperies: Lycopersion esculentum (formato)
Cisperies: Lycopersion esculentum (formato)
Cisperies: Lycopersion esculentum (formato)
Cisperies: Lycopersion esculentum (formato)
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Cisperes: Mill Loeffler, A.; Abel, S.; Glund, K.
Fiant Mol. Biol. 27, 477-485, 1995
Fiant Mol. Biol. 27, 477-485, 1995
Airitle: CDA Structure and regulatory properties of a tamuly of starvation-induced ribc
Airitle: Airitle: S33508
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Rivagai, S.; Wiker, H.G.; Harboe, M.; Kinomoto, M.
Infect. Immun. 59, 372-382, 1991
A;Title: Isolation and partial characterization of major protein antigens in the cult A;Reference number: A60274; MUID:91099989; PMID:1898899
A;Ccession: E60274
A;Accession: Logic in A;Accession: A;Accession
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C;Species: Bacillus circulans
C;Species: Bacillus circulans
C;Date: 19-Jul-1996 #sequence_revision 19-Jul-1996 #text_change 19-Jul-1996
C;Accession: 13996 #sequence_revision 19-Jul-1996 #text_change 19-Jul-1996
B;Grundy, F.J.: Henkin, T.M.
J. Bacteriol. 174, 6763-6770, 1992
A;Title: Characterization of the Bacillus subtilis rpsD regulatory target site.
A;Reference number: 139963; MUD:93015735; PMID:1400226
A;Accession: 139964
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A;Molecule type: DNA
A;Residues: 1-5 <RES>
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Fra 2; Conservative
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A, Molecule type: protein
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R;Fidalgo, B.V.; Najjar, V.A.
Bjochemistry 6, 3186-31927, 1967
A;Reference rumber: A37502; MUID:68091045; PMID:4169272
A;Concents: amnotation; immunoglobulin class
C;Comment: An 196 (called leucokinin) binds reversibly to the cell membrane of neutrophin is essential for maximum stimulation of the phagocytic activity of reutrophils.
C;Superfamily: immunoglobulin C region; immunoglobulin homology
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A;Recession: PT0644
A;Recuts: translation not shown
A;Molecule type: mRNA
A;Residues: 1-5 <FEE>
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Cispecies: Salmorella typhimurium
Cispecies: Salmorella typhimurium
Cispecies: 24-401-1992 #sequence_revision 24-501-1992 #text chinge #5-5ep-1993
Cispeciesion: B42364
Rivogler, A.P.; Homma, M.; Irikura, V.M.; Macnab, R.M.
J. Bacteriol. 173, 3564-3552, 1991
A.Title: Salmonella typhimurium murants defective in flagellar filament regrowth and & A:Reference number: A42364; MUID:91258342; PMID:1646201
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PT0644
T-cell receptor beta chain V-D-J region (111-1G) · mouse (tragment)
C.Species: Mus musculus (house mouse)
C.Species: Mus musculus (house mouse)
C.Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C.Accession: PT0644
B.F.Fecher, A.J.
J. Exp. Med. 174, 115-124, 1991
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C.Species: Mycobacterium tuberculosis
C.Date: il Dec-1992 #sequence_revision 11.Dec-1992 #text_change 30.Sep-1993
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C,Keywords: T-cell receptor
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A;Status: preliminary
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A;Residues: 1-5 <VOG>
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RESULT 18
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Cipeciose Bacillus megaterium
Cipate: 19-Jul-1996 #sequence_revision 19 Jul-1996 #text change 19 Jul-1996
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Rightle: Characterization of the Bacillus subtilis 1psD tegnlatory target site.
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Airtle: Characterization of the Bacillus Subtilis 1psD tegnlatory target site.
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Matches I; Conservative I; Mismatches C: Indels
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26.7%; Score 8; US 2; Length 5;
Best Local Similarity 50.0%; Pred. No. 2.86+05;
Aatches 1; Conservative 1; Mismatches 0; Indels
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Starratt A.N., Brown B.E.; "Starratt A.N., Brown B.E.; "Structure of the pentapeptide proctolin, a proposed neurotransmitter
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MEDLINE=81225865; PubMed=6113690;
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                                                                                                                            2003, 17:49:22 ; Search time 10 Seconds (without alignments) 23:513 Million cell updates/sec
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                 version 5.1.6
- 2003 Compugen Etd.
                                                                                                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                   127863 segs, 47026705 residues
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PROT FERAM
FURT FERAM
FRA1 LITRU
RE31 LITRU
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RE32 LITRU
PSK JACKTA
JHEL
RE32 LITRU
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FRA4 HIRME
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                                                                                           using sw model
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                     GenCore (c) 1993
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Match Length
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Maximum DB seq length: 5
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  chlamydia t
homo sapien
vibrio fisc
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escherichia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE-91285106; PubMed-2060626;
Grohmann L., Graack H.-R., Kruft V., Choll T., Goldschmidt-Reisin .
Kitakawa M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Saccharomyces cerevisiae (Baker's yeast).
Eukarycta, Fungi; Asccmycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; Saccharomycetaceae; Saccharomyces.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6
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Limulus polyphemus (Atlantic horseshoe crab), and
Carcinus maenas (Common shore crab) (Green crab).
Eukaryota; Matazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Meoptera; Orthopteroidea; Dictyoptera; Blattaria; Blattoidea;
Blattidae; Periplaneta.
P38005 (P01157 P014272 P19918 P19918 P13973
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           40.0%; Score 12; DB 1; Length 4; 100.0%; Pred. No. 1.3e+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                01-JJN-1994 (Rel. 29, Created)
01-JJN-1994 (Rel. 29, Last sequence update)
01-JJN-1994 (Rel. 29, Last annotation update)
Mitochondrial 60S ribosomal protein Ll (Ymll) (Fragment)
MRPL1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 AA; 402 MW; 7771B2D5D000000 CRC64;
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21-JUL-1986 (Rel. 01, Last sequence update)
01-FEB-1995 (Rel. 31, Last annotation update)
Prootoin.
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UXA4_CHLTR
GRWM_HUMAN
LUXE_VIBFI
DCMS_PSECH
TRM3_ECOLI
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NON TER 4 4
SEQÜENCE 4 AA; 402 MW; 7771B2
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MEDLINE=76074708; PubMed=576;
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P81864;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDINE=72187087; PubMed=4112769; Mishloka K., Constantopoulos A., Satch Pub., Majjur V A.; Mishloka K., The characteristics, isolation and synthesis of the phagacytosis stimulating perpide tultsin."; Biochem. Biophys. Res. Commun. 47:172-179(1900).
                                                                                                                                                                                                                                                                                                                                                                                                                           Shabanowitz J., "Identification of proctolin in the central nervous system of the horseshoe crab, Limulus polyphemus."; Peptides 11:205-211(1990).
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MEDLINE=86232789; PubMed=2872661;
Stangier J., Dircksen H., Keller R.;
"Identification and immunocytochemical localization of proctolin
                    "Pestapeptide (proctolin) associated with an identified neuron.", science 213:567:569(1981).
                                                                                                                                                                                                                                          SPECIES: Dolyphemus,
MEDRINNE-20287800, PubMed=2356151;
Orocce J.R., Tillinghast B.K., Townley M.A., Vetrovs A.,
Watson W.H. [II, Hunt D.F., Griffin P.R., Alexander J.E.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Match 40.0%; Score 12; 78 1; Length 5; Local Similarity 100.0%; Pred. No. 1.3e-05; ess 2; Conservative 0; Mismatches 0; Indols new
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21-UUL-1986 (Rel. 01, Last sequence update)
20-CT-2001 (Rel. 40, Last annotation update)
Phagocytosis-stanlating peptide (Tuttstm.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   i i k
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C'Shea M., Adams M.E.;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens (Human)
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PC1858;
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SERRER REPRESENTATION OF SERVICE SERVICES SERVIC
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MEDLINE=87657369; PubMed=3782138;
Lazarovici P., Primor N., Loew L.M.;
"Aurification and pore-forming activity of two hydrophobic polypeptides from the secretion of the Red sea moses sole (Pardachirus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-MAY-2000 (Rel. 39, Created)
30-MAY-2000 (Rel. 39, Last sequence update)
28-FEB-2033 (Rel. 41, Last annotation update)
28-FEB-2033 (Rel. 41, Last annotation update)
Pardaxhi II (PXII) (Fragment).
Pardachirus marmoratus (Red sea moses sole).
Fukaryota, Merazoa, Chordaca, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neoperygii, Teleostei, Euteleostei, Acanthororpha, Acanthopterygii, Percomorpha, Pleuronectiformes; Soleoidei, Soleidee, Pardachirus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Electrin 3.
Litoria rubella (Desert tree frog).
Litoria rubella (Desert tree frog).
Litoria rubella (Desert tree frog).
Litoria rubella (Burachia; Anura; Neobatrachia; Bufoncidea; Hylidae; Pelodryadinae; Litoria.
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J. Biol. Chem. 261::6704-16713(1986).
-:- FUNCTION: Exhibits unusual shark repeilent and surfactant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               36.7%; Score 11; DB 1; Length 5; 50.0%; Pred. No. 1.38+05; ive 0; Mismatches 2; Indels
                                                                                                      36.7%; Score 11; DB 1; Length 4; 66.7%; Pred. No. 1.3e+05; ive 0; Mismatches 1; Indels
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SEQUENCE 5 AA, 630 MM, 668761F2C9A00000 CRC64;
GO, GO:0003823; F:antigen binding activity; NAS. GO; GO:0006909; P:phagocytosis; NAS. SEQUENCE 4 AA; 501 MM; 74176321C000000 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-FEB-2003 (Rel. 41, Created)
28-FEB-2003 (Rel. 41, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
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-!- SUBCELLULAR LOCATION: Secreted.
-!- TISSUE SPECIFICITY: Skin.
--- TISSUE SPECIFICITY: Skin.
--- Amphibian defense peptide; Amidation.
MOD_RES
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Best Local Similarity 50.00
Matches 2; Conservative
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Best Local Similarity 66.77
The 2, Conservative
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E103 LITRU
ID E103 LITE
AC P82039;
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PSB261,
16-CCT-2001 (Rel. 40, Created)
16-CCT-2001 (Rel. 40, Last sequence update)
16-CCT-2001 (Rel. 40, Last annotation update)
Phytosulfckine-alpha (PSK-alpha) [Contains: Phytosulfokine-beta (PSK beta)].
  TISSUE=Skin secretion, Wabnitz P.A., Bowie J.H., Tyler M.J., Wallace J.C.; Peptides from the skin glands of the Australian buzzing tree frog Literi electrica. Comparison with the skin peptides from Literia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-APP-1993 (Rel. 25, Created)
01-FEB-1994 (Rel. 28, Last sequence update)
01-FEB-1994 (Rel. 41, Last sequence update)
Bradykinin-potentiating peptide S5,2 (SA) (Anglotensin-converting enzyme inhibitor).
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Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Uiperidae; Cronalinae; Bothrops.
NCBI_TaxID=8723;
                                                                                               rubella.";
Aust. J. Chem. 52:639-645(1999)
-!- FUNCTION: Shows neither neuropeptide activity nor antibiotic
                                                                                                                                                                                          -:- SÜBGEZLÜLAR LOCATICN: Secreted.
-:- TISSUE SPECIFICITY: Expressed by the skin dorsal glands.
Amphibian deferse peptide.
SEQUENCE 5 AA: 570 MM: 71A9C9C862A00000 CRC64;
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1.3e+05;
ches 1; Indels
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                                                                                                                                                                                                                                                                                                                36.7%; Score 11; DB 1; Length 100.0%; Pred. No. 1.3e+05; ive 0; Mismatches 0; Inde
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5 A.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5 A.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 8;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           33.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26.78;
                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity Tuve...
2: Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity 33.3
ses 1, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STANDARD;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 FTP 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                  4 FT 5
                                                                                                                                                                                                                                                                                                                                                                                                                  1 FT 2
                                                                                                                                                                             activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BPP7 BCTIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PSK DAUCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SECUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       P30425;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 8
BPP7 BOTIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 9
PSK_DAUCA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   study
properties. Forms voltage-dependent, ion-permeable channels in membranes. At high concentration causes cell membrane lysis.

-!- SUBURIT: Monomer. In aqueous solution exists as a tetramer.
-!- SUBCELLULAR LOCATION: Secreted.
-!- SIMILARITY: BELONGS TO THE PARDAXIN FAMILY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Litoria rubella (Desert tree frog).
Kakaryota: Metazoa, Chordata: Craniata; Vertebrata: Euteleosromi,
Amphibia: Batrachia; Anura; Neobatrachia; Eufonoidea; Hylidae,
Pelodryadinae; Litoria.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota, Metazoa, Chordata, Crahiata, Vertebrata, Butaleostomi, Ambhbia, Batrachia, Anura, Neobatrachia, Rufoncidea, Hylidae, Pelcotryadhnae, Litoria, NCSI TaxID=104695,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Aust. J. Chem. 49:955-963(1996).
-!- FUNCTION: Shows neither neuropeptide activity nor antibictic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TISSUELSKIN secretion;
Steinborner S.T., Wabnitz P.A., Waugh R.J., Bowie J.H., Gao C.,
Steinborner S.T., Wabnitz P.A., Waugh R.J., Bowie J.H., Gao C.,
Tyler M.J., Wallace J.C.,
"The structure of new peptides from the Australin sed tree frog
"Litoria ruballa". The skin peptide profile as a probe for the sof evolutionary trends of amphibians.";
Aust. J. Chem. 49:955-963 (1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ં
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-i- SJECTELLY.
-i- SJECTELLY.
-i- SASS SPECIFICITY: Expressed by the skin dorsal glands
-i- MASS SPECIFORETRY: MW-655, MRTHOL-FAB.
Amphi.bian defense peptide; Amidation.
MCD RES.
AMIDATION.
                                                                                                                                                                                                                                                                  i; indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  36.7%; Score 11; DP 1; Len ch 5; 100.0%; Fred; No. 3; 60.0%; Exed; No. 3; 60.0%; Live 0; Mismatches 7; c.6015
                                                                                                                                                                                                                     Length 5;
                                                                                                                                            5 AA; 614 MW; 7769C9C9100000 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   S 5 AMIDATION.
5 AA; 656 MW; 71A9C9CB10330000 CR.:64.
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RE32 LITEU

ID 7822 LITEU

RE32 LITEU

RE32 LITEU

STANDARD; PRT; 5 AA.

AC PECT3;

DT 28-FEB-2003 (Rel. 41, Created)

DT 28-FEB-2003 (Rel. 41, Last sequence update)

DT 15-FEB-2003 (Rel. 42, Last annotation update)

DE Rubellidin 3.2.

CC Eukaryota Metazoa; Chordata; Craniata; Verteira CC Amphibia, Barrachia, Anura; Neobarrachia, Fufonco CC Pelodryadinae; Litoria.

OX NCB1 TaxID=104695;

RN (1)

RP SECUENCE.
                                                                                                                                                                                                                36.7%; Score 11; CB 1; L
66.7%; Pred. No. 1.3e+05;
Live 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                28-FEB-2003 (Rel. 41, Created)
28-FEB-2003 (Rel. 41, Last Sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5 A.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE, AND MASS SPECTROMETRY
                                                                                                                                                                                                                                         Local Similarity 66.7
Des 2: Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STANDARD;
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                                                                                                                                                                                                                                                                                                             1 FTP 3
| | |
3 FFP 5
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RE31_LITRU
AC P82072;
DT 28-FEB-203
DT 28-FEB-203
DT 15-SEP-203
DT 15-SEP-203
DT 15-SEP-203
DT 16-SEP-203
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SEQUENCE
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Best Local 8
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Gaps

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Matches

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MCD_RES
SEQUENCE
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DCML_PSECH
ID DCML_PSEC
AC P19916;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDGINE=70639904, PubMed=4982117,
MEDGINE=70639904, PubMed=4982117,
Bolar J., Engmann F., Folkers K., Bowers G.Y., Schally A.V.,
"The identity of chemical and hormonal properties of the thytotropin releasing hormone and pyroglutamy. Anstidyl-proling amide.",
releasing hormone and pyroglutamy. Anstidyl-proling amide.",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                             1. PTM: SULFATION IS IMPORTANT FOR ACTIVITY AND FOR THE BINGING TO PUTATIVE MEMBRANE RECEPTOR (BY SIMILARITY).
1. SIMILARITY: BELONGS TO THE PHYTOSULFOXINE FAMILY.
                                                                               21-JJL-1986 (Rel. 01, Last sequence update)

By FFB-2003 (Rel. 41, Last annotation update)

Thyroliberin (Thyrotropin releasing hormone) (TPE: (Prolifelin),

Sus scrofa (Pig),

Outs arise (Sheep),

Bombina orientalis (Oriental fire-bellined load), and

Notophthalmus viridescens (Eastern newt) (Trilutus viridescens),

Baranyolas, Metacoa, Chordata, Craniata, Verrebrara, Euroleostomi,

Mammalia; Eutheria, Cerartodact, Craniata, Suidae, Sus,

NCSH TaxID-9923, 9940, 8346, 8316;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE.
SPECIES=Sheep: TISSUB=Hypothalamus;
Desiderio D.M. Jr., Burgus R., Dunn T.F., Vale M., Guillomin R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ĵ
    Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 8; DB 1; Length 5;
Pred. No. 1.3e+05;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SPELIES=P.q, TISSUE-Hypothalamus, MEDIINE=70:36150; PubMed=4984938; Nair R.M.G., Barrett U.F., Sowers C.Y., Schally A.V., "Structure of portine thyrotropin releasing hormone."; Biochemistry 9:1103-1106(1970).
                                                                                                                                                                                                                                                                                                                                                                                                                                 : 4 PHYTCSJLFOKINE-BETA.

i SULEWITON.

3 3 SULFATION.

5 AA, 687 MW, 76C1885048330000 CRC64.
                    Asteridae, campanulids, Apiales, Apiaceae, Daucus.
NCBI TaxID-4039;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PP.:
                                                                                                                                                                                                                                                                                                                           SUBCELLULAR LOCATION: Secreted
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21-JUL-1986 (Rel. 01, Last seq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                 Growth factor; Sulfation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
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3 YT 4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SECTENCE
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P01151;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           MCD RES
                                                                                                                                                                                                                                                                                                                                                                                                                                      PEPTIDE
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THYL PIG
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TSH
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-!- SUBUNIT: CONSISTS OF THREE POLYPEPTIDE CHAINS: LARGE, MEDIUM, AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                          SPECIES-N. viridescens;
MEDLINE=75035605, PubWed=4214528;
MEDLINE=75035605, PubWed=4214528;
MEDLINE=75035605, PubWed=4214528;
MITTHE ACCORDERS OF 1, MCKebly J.F.,
"Biosynthesis of thyrotropin releasing factor by newt (Triturus viridescens) brain in vitro. Isolation and characterization of thyrotropin releasing factor.";
J. Neurochem 23:471-478(1974).
J. Neurochem 23:471-478(1974).
J. NEUROCHEM 23:471-478 (1974).
IN THE ANTERIOR PITUITARY GLAND AND AS A NEUROTRANSMITTER/
NEUROMODULATOR IN THE CENTRAL AND PERIPHERAL NERVOUS SYSTEMS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Kraut M., Hugendieck I., Herwig S., Meyer O.; "Homology and distribution of CO dehydrogenase structural genes in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       carboxydotrophic bacteria.";
Arch. Microbiol. 152:335-341(1989).
-!- FUNCTION: Catalyzes the oxidation of carbon monoxide to carbon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -:- CATALYTIC ACTIVITY: CO + H(2)O + acceptor * CO(2) + reduced
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Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
Bradyrhizobiaceae.
                                                                                                                                                                                                                             Yasuhara T., Nakajima T.;
"Letter: Occurrence of Pyr-His-Pro-NH2 in the frog skin.";
Chem. Pharm. Buil. 23:33C1-3303(1975).
                                       Burgus R., Dunn T.F., Desiderio D.M., Ward D.N., Vale W.,
Guillemin R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 1 PYRROLIDONE CARBOXYLIC ACID.
3 3 AMIDATION.
3 AA; 380 MW; 7761F6RG0000000 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
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01-FB3-1991 (Rel. 17, Created)

01-FB3-1991 (Rel. 17, Last sequence update)

28-FEB3-2003 (Rel. 41, Last annotation update)

Carbon monoxide dehydrogenase large chain (EC 1.2.99.2)

dehydrogenase subunit L) (CO-DH L) (Fragment).
                                                                                    "Characterization of ovine hypothalamic hypophysiotropic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 1; Len
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PIR, A92971; A92971.
PIR, A93750; RHSHT.
Amidation; Pyrrolidone carboxylic acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
                                                                                                                                                                                        SPECIES=B.orientalis; TiSSUE=Skin;
MEDLINE=76138399; PubMed=815011;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        23.3%; Scc.
100.0%; Pred
0; Y
                          PubMed=4985794;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STANDARD;
                                                                                                        TSH-releasing factor.";
Nature 226:321-325(1970)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
SPECIES=Sheep;
MEDLINE=70163386;
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NCBI_TaxID=6421;
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ID FAR4 HIRME
AC P42563;
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P42562;
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NAME OF THE PROPERTY OF THE PR
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Eukaryota, Metazoa, Mollusca, Gastropoda, Pulmonatu, Stylomfatophora,
Sigmurethra, Achatinoidea, Achatinidae, Achatina.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota, Metazoa, Arthropoda, Hexapoda, Insecta, Fterygota,
Neoptera, Orthopteroidea, Orthoptera, Ensifera, Gryllidae, Gryllinae,
                                                                                                                                                                                                                     Gaps
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Biochem. Biophys. Res. Commun. 160:1015-1020(1999)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Micker C., Micker C.; 
"Isolation and structure of a peptide isolated thom the 
subbesophageal garglion of Acheta domesticus (orthoptera)."; 
Comp. Biochem. Physiol. 88C:185-187(1987).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; indels
                                                                                                                                                                                                                 0; Indels
                                                                                                                                                  DB 1; Length 4; . 1.3e+05;
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                                                                                      4 AA; 441 MW; 7761E876F0000000 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PIR, JS0319, JS0319.
SEQUENCE 5 AA: 476 MW; 69D76DDDDBB00000 GRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-FEB-1991 (Rel. 17, Created)
21-FEB-1991 (Rel. 17, Last sequence update)
51-607-1996 (Rel. 34, Last annotation update)
Suboescophageal ganglion pentapeptide.
Acheta domesticus (House cricket)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01.CIN-1994 (Rel. 29, Created)
C1.JIN-1994 (Rel. 29, Last sequence update)
15.JUL.1998 (Rel. 36, Last annotation update)
Achatin-I.
                                                                                                                              23.3%; Scor.
100.0%; Pred. No. 4.
10.0%; Mismatches
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Best Local Similarity 100.0%; Pred. No. 1.3
Matches 1; Conservative 0; Mismatches
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MEULINE=91264856, PubMed=1675568;
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MEDLINE=8927355; PubMed=2597281;
                             Oxidereductase; Molybdenum.
                                                                                                                       Query Match
Bust Local Similarity Tour-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STANDARD;
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FIR; PL0140; PL0140
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NCBI TaxID=6997;
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SUGA_ACHDC
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Int. J. Pept. Protein Res. 39:258-264 (1992).

HOUGHOUS A SPIKE BROADBNING OF THE IDENTIFIED HEART EXCITATORY NEURON (PON): ALSO ENHANCES THE AMPLITUDE AND FREQUENCY OF THE HEART BEAT. HAS ALSO AN EFFECT ON SEVERAL OTHER MÜSCLES.
Fujimoto K., Kubota I., Yasuda-Kamatani Y., Minakata H., Nomoto K., Yoshida M., Harada A., Muneoka Y., Kobayashi M.; "Purification of advatin-I from the atria of the African giant snail, Achatina fulica, and its possible function."; Biochem. Biophys. Res. Commun. 177:847-853(1991).
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Evans B.D., Pohl J., Kartsonis M.A., Calabrese R.L.;
Identification of Rfamide neuropeptides in the medicinal leech.";
Peprides i2:897-9081,991);
-:- SIMILARITY: BELONGS TO THE FARP (FMRFAMIDE RELATED PEPTIDE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hirudo medicinalis (Medicinal leech).
Eukaryota, Metazoa, Annelida, Clitellata: Hirudinida, Hirudinea,
Arynchcbdellida, Hirudiniformes, Hirudinidae, Hirudo.
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        MOD RES
        2
        D-PHENYLALANINE.

        SEQUENCE
        4 AA; 409 MW; 6AADD9C81000000 CRC64;

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O1-NOV-1995 (Rel. 32, Last sequence update)
O1-NOV-1995 (Rel. 32, Last annotation update)
FMRFamide-like neuropeptide YLRF-amide.
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C1-NOV-1995 (Rel. 32, Last sequence update)
01-NOV-1995 (Rel. 32, Last annotation update)
FMRFamide like neuropeptide YMRF-amide.
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've 0, Mismatches
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les 1; Conservative
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MOD RES 2 2
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CS Hirido medicinalis (Medicinal Leuch).

CC Arynchobdellida; Annelida; Clifellata; Hiridinida; Biridinea; OC Arynchobdellida; Annelida; Clifellata; Hiridinidae; Hiridio.

OX NCSI TaxID:642;

RR [1]

RR [1]

RR [2]

RA DEALNE-92-9554; PubMed-168693;

RA EVANS B.D., Pohl J., Kartsonis M.A., Calabrear R.D.;

RA Deptides 12. Pohl J., Kartsonis M.A., Calabrear R.D.;

RA DEALNE-92-9554; PubMed-168693;

RA DEALNE-92-95554; PubMed-188693;

RA DEALNE-92-95549;

RA DEALNE-92-95549;
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Sequence:

Run on:

Searched:

Database

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FMRFamide-like neuropeptide (LPLRF-amide).
Gallus gallus (Chicken).
Eukaryota, Metazoa, Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
                                                                                                                                          Rattus Sp.

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
NCBI TaxID=10118;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 16.7%; Score 5; DB 2; Length 5; Best Local Similarity 100.0%; Pred. No. 8.3e+05; Matches 1; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                         Query Match 23.3%; Score 7; DB 13; Length 5; Best Local Similarity 100.0%; Pred. No. 8.3e+05; Matches 1; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bacteria; Firmicutes; Bacillales; Bacillaceae; Bacillus NCEL_TaxiD=1396;
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01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-NAR-2003 (TrEMBLrel. 23, Last annotation update)
Bilitubin UDP-glucuronosyltransferase (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                              P83073;
01-0CT-2C0: (TrEMBLrel: 18, Created)
01-0CT-2C0: (TrEMBLrel: 18, Last sequence update)
01-0CT-2C0: (TrEMBLrel: 18, Last annotation update)
88 k7a protein (Fragment).
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                                                                                                                                                                                                                                                              5 AA; 645 MW; 69D4073767400000 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=NCIMB 11796;
Browne N., Dowds B.C.A.;
Submitted (JUL-2001) to the SWISS-PROT data bank.
NCN_TER
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                                                                                                  SEQUENCE, AND SYNTHESIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
                                                                      NCBI_TaxID=9031;
                                                                                                                TISSUE=Brain;
PubMed=6137771;
                                                                                                                                                                                                                                                Neuropeptide.
SEQUENCE 5
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P83073
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P8373 kacillus ce
Q08433 tattus sp.
Q99007 hordeum vul
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                                                                                               November 5, 2003, 17:52:17 ; Search time 33 Seconds (without alignments) 39:099 Million cell updates/sec
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               GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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Last sequence update:
Last annotation update
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MEDBLINE-91329704; PubMed=1831055;
Jacobsen J.V., Close T.J.;
Plant Mol. Biol. 16:713 721(1991).
MMBL; X54643; CAA38445.1;
Sato H., Aono S., Kashiwamata S., Koiwai O.,
"Sencild defect of bilirubin UDP-gluouronosyltransferase in the
"Sencild defect of bilirubin UDP-gluouronosyltransferase in the
Buchler Bappys. Res. Commun. 177:1161-1164(1991).

EMBL; S38636; AAB19259.1; -.
Transferase. 1

SEQJENCE 4 AA, 473 MW; 633732C4230000000 CRC64;
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29-MAR-1999;
07-MAY-1999;
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Peptide P7 derived
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GenCore version 5.1.6
(c) 1993 - 2003 Compugen Ltd
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Contiguous hydroxy Prolyl endopeptida	N. meningitidis LC	Gum arabic glycopr	Contiguous hydroxy	Polypeptide accomp	SV4C T antigen cdc	SV40 T antigen cdc	PHF-tau epitope.	PHF-tau epitope.	Synthetic peptide	N-acetyldalactosam	Peptide determined	Human thrombopolet	EVH1 ligand motif.	Portion of the cor	Amino acid sequenc	Ena/VASP homology	"L domain" amino a	Colostrinin derive	Colostrinin peptid		Ewe colostrinin pe	Zyxine VASP bindin	Peptide sequence e	Colostrinin consti	Colostrinin consti	Neural cell regula	Peptide amino acid	Peptide CycE-5mer	Triketone-inhibito	RPPGF retropeptide	Neutrophil-activat	Phosphorylated pep	Immune stimulating	Soybean pepsin dig
ABB78522 AAR45401	A3P47354	ABB78491	ABB78523	AAR07911	AAR52958	AAR51484	AAR76938	AAR76939	AAW06981	AAW16485	AAW87427	AAW53130	AAW37157	AAY42925	AAG79177	AAU09140	AAG78309	AAB72257	AAB72510	AAB72542	AAB59320	AA017762	ABB76573	AAE20239	AAM5:046	AA014588	ABB05531	ABB05549	ABB99279	AAY13863	AAY50330	AAB59267	AAR76984	AAW07486
23	23	23	23	11	15	5.1	16	16	1.7	18	19	19	19	20	22	22	22	22	22	22	22	23	23	23	23	23	23	23	24	61	20	22	16	17
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## ALIGNMENTS

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mediated diseases
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     G
                                                                                                                                                                                         The present invention describes a peptide (I) comprising an isolated surface exposed group/epitope (E) of C-epsilon-2 domain (D) of immunoglobuline (Igb), or its minotope. Also described are: (1) an immunoglobuline (Igb), or its minotope. Also described are: (1) an immunoglobuline (Igb), or its minotope. Also described are: (1) an immunoglobuline (Igb) a pharmaceutical composition (PC) comprising (IUV), (C) a peptide (Ig) appared of baing recognised by (IVV) (B) an immunogen (IT) are appaide of baing recognised by (IVV); (B) an immunogen (IT) are an antial lergic and immunosiphorosive activities, and can be used as a vaccine and histamine release inhibitor. (C) (II) and (III) are useful in medicine and in the manufacture of medicaments for treating an area and aiso in manufacturing medicaments for treating allergies. (IV) is useful for identifying minotopes of PI, in medicine and aiso in manufacturing medicaments for treating allergies. (IV) is useful in diagnosing and in the affinity purification of circulating anti-IgE antibodies from blood. (I), (III) and PC are useful in diagnosing atopy. AARS2009 represent (IV) is also useful in diagnosing atopy. AARS2007 to AARS2099 represent
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                                                                                                                     Poptides useful for treating, preventing and ameliorating allergic diseases, comprising an isolated surface exposed group of a specific denain from immunoglobulin E.
                                                          Greenwood J, Hewitt E, Lamont A, Mason S, NG, Van Mechelen MP, Vinals De Bassols YC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human: linkage technology: conjugated compound; carrier vehicle; epitope; Cepsilon2; Cepsilon3; Cepsilon4; immunoglobulin B; 19E mediated disease; antibody response.
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Similarity 100.0%; Pred. No. 9.38+05;
5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Peptide P7 derived from Cepsilon2 region of human 1gE.
                      (SMIK ) SMITHKLINE BEBCHAM BIOLOGICALS. (PEPT-) PEPTIDE THERAPEUTICS LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAU16638 standard; Peptide; 5 AA
                                                                                                                                                                     Claim 8; Page 5; 129pp; English
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22-FEB-2000; 2300GB-0004096.
22-AUG-2000; 2500GB-0620701.
22-AUG-2000; 2000GB-0520709.
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993B-0027698
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                                                          Friede M,
Turnell
                                                                                              WPI; 2000-572073/53
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Bost Local Similarity
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23-NCV-1999;
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Randall R,
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AAU16638
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The present invention relates to inhage methodology for use in the conjugation of compounds (e.g. peptides) to carrier vehicles

(e.g. macromolecules, polymers, dendrimers, proteins) to produce biological and immunological constructs. The invention provides a method for linking an epitope (e.g. a peptide) to a carrier (e.g. a protein) for use in a pharmaceutical composition or a vaccine. The invention describes peptides derived from or mimotopes of the invention describes peptides derived from or mimotopes of the copsilon? Cepsilon3 or Cepsilon4 regions of human immunoglobulin E (IgE) which are used to produce conjugated compounds. The compounds or compositions of the invention are useful in the manufacture of a medicament for the treatment of IgE mediated diseases. The invention allows for controlled conjugation of a peptide epitope (antigen) to a protective antibody response in an animal or human patient. AAU16612-AAU36913 represent peptides derived from or mimotopes of the Cepsilon2/Cepsilon3/Cepsilon4 region of human igE.
                                                                                                                                                                                                                                                           A linkage comprising an immunogenic conjugate useful treatment of IgE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vinals Bassols YC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 30; DB 22; 160.0%; Pred. No. 9.3e+65;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human 195 immunogenic peptide SEQ 1D NO: 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
(ACAM-) ACAMBIS RES LTD.
(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SMIK ) SMITHKLINE BEECHAM BIOLOGICALS. (PEPT-) PEPTIDE THERAPEUTICS LTD.
                                                                                                                                                                                                                                                                                                                                                                           Example 4; Page 21; 48pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Turnell WG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABJ00223 standard; Peptide; 5 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22-AUG-2000; 2000GB-0020717.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-AUG-2001; 2001WC-EP09576.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           vaccine, antiallergic
                                                                                                           Flinn N, Johnson T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mason S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2202-489648/52.
                                                                                                                                                                                   WPI; 2001-52:967/57
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TPPT

(first entry)

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Therapy, hypoxia, neuropathic pain, central nervous system, analgesic, cognitive enhancement, neuroactive peptide, neuroprotective, vasotropic, N-methyl-D-aspartate receptor, N-DA, peptide therapy, nootropic, NT-13.
                                                                                  AAE29186 standard; peptide; 4 AA
                                                                                                                                                                                     Neuroactive peptide, NT-13.
                                                                                                                                                                                                                                                                                                                            WO200272609-A2
                                                                                                                                                     27-JAN-2003
                                                                                                                                                                                                                                                                                          Unidentified
                                                                                                                    AAE29186;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 6
                                                RESULT 5
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                                                                                                                                                                                                         ..
O
                                              where the conjugate comprises a disulphide bridge cyclised peptide and an immunogalnic carrier. The vaccines can be used in the treatment of allorgies. The present sequence is a peptide immunogal derived from human immunoglobulin E (IgE) suitable to be cyclised and used in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This neuroactive peptide can bind to a N methyl-L aspartate (NMDA) receptor and is included in a pharmaceutical composition comprising an effective NMDA receptor binding amount of a pulypetide. The products bind to the NMDA receptor at the glycine co-agonist site and effect at least the same biological activity from the NWDA receptor as the binding of glycine. They can be used as NMDA receptor agoists for echancing learning and memory. They can also be used for the isolation and characterisation of NMDA receptor activity, NMDA receptor tissue characterisation and correlation with disease, injury or other
                                The present invention relates to conjugates suitable for use in vaccines,
                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             endating reducing and memory at the glycine tinging site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NMDA receptor; neuroactive; glycine co-agonist; learning; memory;
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                                                                                                                                                                       Length Sy
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                                                                                                                                                                                                       0; indels
                                                                                                                                                                   100.0%; Score 30; DB 23;
100.0%; Pred. No. 9.3e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               NMSA receptor binding neuroactive peptide 13.
                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 N-methyl-D-aspartate; pharmaceutical.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              have NMDA receptor agonist activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New neuro-active polypeptide(s) for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Yamamoto H;
                                                                                                                                                                                                                                                                                                                                                          AAW47113 standard; peptide; 4 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1, Page 23; 38pp; English.
Claim'4; Page 9; 45pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       96US-0649272.
                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                 Query Match
Best Local Similarity avv.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       pharmacological effects.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1998-008795/01.
                                                                                                                                                                                                                                    5 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  W09743306-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                               18-MAY-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16-887-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17-MAY-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Seguence
                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Syntheric.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rattus sp.
                                                                                                                                                                                                                                                                                                                                                                                            AAW47113;
                                                                                                                                                                                                                                                                                                                        RESULT 4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to a method for preventing and/or treating hypoxia, neuropathic pain or the effects of hypoxia on the central nervous system, or producing cognitive enhancement in a mammal. The method comprises administering: a composition containing neuroactive peptides (designated WIL) NT2, NT3, NT4, NT5, NT6, NT7 or NT8); or a compound that competes with NT8 for binding to the N-methyl-D-aspartate (NNDA). receptor. The method is useful for preventing and/or treating hypoxia, neuropathic pain or the effects of hypoxia on the central nervous system, in a mammal (particularly a human). The method is also useful for producing cognitive enhancement in a mammal. The invention is useful for producing cognitive present sequence is a neuroactive peptide.
                                                                                                                                                                                                                                                                                        Preventing or treating hypoxia or its effects on the central nervous system, or neuropathic pain in a human, by administering neuroactive peptides or compounds competing with the peptide for binding to N-methyl-D-aspartate receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Neuroactive peptide NT-13, for hypoxia treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               80.0%; Score 24; DB 23; I
100.0%; Pred. No. 9.3e+05;
ive 0; Mismatches 0;
                                                                                                               (NYXI-) NYXIS NEURO THERAPIES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAM50692 standard; Peptide; 4 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; Page 49; 64pp; English.
                                                       12-MAR-2001; 2001US-275083P.
12-MAR-2002; 2002WO-USC7427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                              WPI; 2002-759835/82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
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                                                                                                                                                                         Moskal JR;
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Gaps

Conservative

TPPT 5

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Quick, convenient examination of 1gA nephropathy by determining antibody recognizing core peptides in the hinge region of 1gAl
                    (ASAH ) ASAHI KASEI KOGYO KK (KOKU/) KOKUBO T.
98JP-0101759.
                                                      ×
                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                       4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Colley PA, Moskal JR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MPI; 1998-038795/01
                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                           WPI; 1999-591373/50
                                                     Kokubo T, Arai K,
                                                                                                                                                                                                                                            5 AA;
                                                                                                                                                                                                                                                                                                            2 TPPT 5
                                                                                                                                                                                                                                                                                                                                 1 TPPT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .6-MAY-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17-MAY-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WC9743306 A1
 31-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                   .8-MAY-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-NOV 1997.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rattus sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                   RESULT 8
                                                                                                                                                                                                                                                                                                                                                                             AAW47114
                                                                                                                                                                                                                                                                                                                                                                                                                ે
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(.)
                                                                                                                                                                                                                                  peptide or amino acid compositions for the treatment of hypoxia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Saps
                                                                                                                                                                                                                                                                                    The present sequence is that of neuroactive peptide NT-13, which is capable of binding to the N-rethyl-0-aspartate (NYDA) receptor. NT-13 is one of a set of NT family peptides (see AANSOGOO-92 that can be used to treat hypoxia and ischaemia. A method of teating hypoxia by administering a peptide or amino abid composition comprising a neuroactive peptide. DNA molecules encoding the hypoxia in the central nervous system by administring a neuroactive peptide, and a method of treating the effects of hypoxia in the central nervous system by administring a neuroactive peptide, especially NT-13, are claimed. The
                                                                                                                                                                                                                                                                                                                                                                             neuroactive peptide, especially NT:3, are claimed. The neuroactive peptides may be cyclized and may contain (preferably conservative) amino acid substitutions. NT:13 was shown to be a partial agonist in a pharmacological NNDA-specific function assay, a partial agonist in voltage clamp experiments in an occyte expression system, and a partial agonist. In a behavioural
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .
C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Immunoglobulin; IgAl; hinge; core; nephropathy; diagnosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Trangth 4:
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          Neuroactive peptide, NT-13; hypoxia; ischaemia; therapy; N-methyl-D-aspartate; NMDA; agonist; antihypoxic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Portion of the core peptide in the hinge region of 1981.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                N-PSUB; ABA91366, ABA91367, ABA91369, ABA91369
                                                                                                                                                                            Moskal JR, Yamamoto H, Colley FA;
                                                                                                                                                      (NYXI-) NYXIS NEURO THERAPIES INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  80.0%; Scu.
100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15
                                                                                                                                                                                                                                                                    Claim 1; Page 31; 41pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                 NMDA-specific function assay
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY42926 Standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99WO-JP01525
                                                                                                                                  22 JUN-2000; 2000US-213614P.
                                                                                                              2001WO-US19839
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                   WPI; 2002-098225/13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4 AA ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 TPPT S
                                                                  WC200198367-A2
                                                                                                                                                                                                                                   Use of peptide
and ischaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25-MAR 1999;
                                                                                                             22-JUN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Home sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         67 CCT-1999
                                                                                        27 - DEC-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY42926;
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                                                                               A new method is disclosed for diagnosing igA nephropathy by determining an antibody recognising the core peptide in the hinge region of ight contained in a liquid specimen, e.g. blood, serum, plasma, saliva or urine. The method is quick, convenient, safe and may be automated. Since there is no need for renal bloopsy, the partients suffer little mental stress, and there is no risk of perirenal bleeding. The present sequence represents a portion of the core peptide in the hinge region of ight.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NMDA receptor; neuroactive; glycine co-agonist; learning; memory; N-methyi-D aspartate; pharmaceutical.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     80.0%; Score 24; DB 20; Length 5; 100.0%; Pred. No. 9.3e+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NWDA receptor binding neuroactive peptide 14.
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Disclosure; Page 5; 32pp; Japanese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAW47114 standard; peptide; 3 AA.
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WPI; 2002-041307/05
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                                                                                                                                                                                                                                                                                                Kieliszewski MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 AA;
                                                                                                                                                                                        WO200178503-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 TPP 4
                                                                                                                                     AGP; plant gum
                                                                                                                                                           Acacia senegal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11-JUL-1994
                                                                        09-JUL-2002
                                                                                                                                                                                                             25-OCT-2001.
                                                                                                                                                                     Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAR45401;
                                                   ABB78522;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
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            RESULT 10
ABB78522
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This neuroactive peptide can bind to a N methyl E aspainate (MMDA) receptor and is included in a pharmaceutical composition comprising an effective NVDA receptor binding amount of a polypetide. The products bind to the NMDA receptor at the glycine co-agonist site and effect at least the same biological activity from the NMDA receptor as the binding of glycine. They can be used as NMDA receptor agonists for enhancing learning and memory. They can also be used for the isolation and characterisation of NMDA receptor activity, NMDA receptor tissue localisation and correlation with disease, injury or other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                       Gaps
of glycine. They can be used as NWDA receptor agonists for enhancing learning and memory. They can also be used for the isolation and characterisation of NWDA receptor activity, NMDA receptor tissue localisation and correlation with disease, injusty or other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New meuro-active polypeptide(s) for enhancing learning and memory have NMDA receptor agonist activity at the glycin- tinting site
                                                                                                                                                                                                                                                                                     NMDA receptor; neuroactive; glycine co-agonist; learning; memory;
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                                                                                  Length 3;
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                                                                                  Score 19; DB 19; L
Pred. No. 9.3e+05;
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100.0%; Pred, No. 9.3e+05;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                NMCA receptor binding neuroactive peptide 15.
                                                                                                       Mismatches
                                                                                                                                                                                                                                                                                               N-methyl-D-aspartate; pharmaceutical
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Yamamoto H;
                                                                          63.3%; Sur-
160.0%; Pre-
0; F
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100.0%; Pro-
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                                                                                                                                                                                                                                                                                                                                                                                                                                    (NEUR-) NEUROTHERAPEUTICS LP
                                                                                                                                                                                                                                                                                                                                                                                           97WO-US08667.
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                                           pharmacological effects.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         Moskal JR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1998:008795/01.
                                                                                            Local Similarity
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                                                                                                                                                                                                                                                                                                                    Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention describes synthetic genes encoding plant gums and
                                                                                                                                                                                                                                       Plant; Gum arabic glycoprotein; GAGP; hydroxyproline-rich glycoprotein;
HRGP; repetitive proline-rich protein; RPRP; arabinogalactan protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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protease inhibitor, Alzheimer's Disease.
                                                                                                                                                                            Contiguous hydroxyproline sequence SEQ ID NO:213.
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ABB78522 standard; Peptide; 3 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12-APR-2001; 2001WO-US12336
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                                                                                                                   (first entry)
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es 3; Conservative
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(first entry)
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Sest Local Similarity
Sest Local 3: Conserva
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                                                                                                                                   4 M.
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                                                                                                                                    Sequence
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                                                                                                                                                                                                                                                                                                                                                                                   Neisseria meningitidis, meningochecus, meningochecal, vancine, 108;
lipubligosaccharide, monoclonal, antibody, antibacterial, infertion,
antiinflammatory, meningochecal disease,
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                                                                                                                                                                      (e
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                                                                                                                                                         This peptide is one of 10 claimed peptides having prolyl endopeptidase inhibitory activity; the peptide is expected to buse for the prophylaxis and treatment of demonta. The peptide synthesised by standard methods.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           menthjococcal disease, comprising a peptide epitope obtainable
screening peptide library with a specific ronoclonal antibody
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel mimotope of Neisseria meningitudis surface, for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Predimen di
                                                                                                                                                                                                                                                                                                                                                                   reningitudis LOS peptidio mimotope related peptide #12.
                                                                                                                                                                                                                      DB 15; Length 4; 9.3e+05;
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                                                                                                                  Prolyl endopephidase innibitor for treating dementing prepared by hydrolysis of corn profets
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Letesson J, Lobet Y, Mettens PY,
                                                                                                                                                                                                                 63.3%; Scot. No. ...
100.0%; Pred. No. ...
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                                                                         (AGEN ) AGENCY OF IND SCI & TECHNOLOGY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 5; Page 37; 55pp; English.
                                                                                                                                                                                                                                                                                                                  ARP47354 Standard; Peptide; 4 AA
                                                                                                                                           Claim 1; Page 2; 8pp; Japanese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                03 CAT-2000; 2000GB-0024200.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               03-00T-2001/ 2001WO-EP11409
                                         92JP-0160354
                                                         920P-0160354
                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                       Conservative
                                                                                  : SHOWA SANGYO CO.
                                                                                                                                                                                                                                                                                                                                                                                                                      Neisseria meningitidis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI, 2002-479596/51.
                                                                                                   WPI; 1994-0028:6/03.
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Best Local Similarity
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       JP05331072-A
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                                         27-MAY-1392;
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                        14 DEC-1993
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ABE47354
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Polypeptide comprising core sequence E-P-T-A-P - used, along with antibodies raised against it, for treatment and diagnosis of
                                                       Polypeptide accompanying fragment of the C-terminus of the p15 protein of HIV-1, HIV-2 or HTLV-1 used in vaccine composition.
                                                                                             Human lymphotrophic diseases; CD5; capsid protein.
                                                                                                                                                                                                                                                                                                                                             numan lymphotropic diseases.
                                 (first entry)
                                                                                                                                                                                                                                             (SANG-) SANGSTAT MED CORP.
                                                                                                                                                                                                                                                                      Sra K;
                                                                                                                                                                                                                                                                                             WPI; 1990-350439/47.
                                 18-FEB-1991
                                                                                                                                                                                              17-MAY-1990;
                                                                                                                                                                                                                      17-MAY-1989;
                                                                                                                                                                                                                                                                     Pouletty PJ,
                                                                                                                                                                     22-NOV-1990
                                                                                                                                            EP398707-A
                                                                                                                      Synthetic.
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          AAR07911;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention describes synthetic genes enouding plant guns and other hydroxyproline (Hyp)-rich giycoproteins (HRGPs) and the mucleic acids that encode them. The mucleic acids, proteins and methods from the present invention may be used to produce HRGPs, repetitive proline-rich proteins (RPRPs) and arabinogalactan-proteins (AGPs) in plants via recombinant methodologies. Also described is the expression of synthetic genes designed from repetitive peptide sequences, such as glycoproteins (including the peptide sequences of gunm arabic glycoprotein (AGP)).
                                                                                                                                                                                                                                                                     Plant; Gum arabic glycoprotein; GAGP; hydroxyproline-rich glycoprotein;
HRGP; repetitive proline-rich protein; RPRP; arabinogalactam protein;
                                                           sdeg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nucleic acids and proteins useful for producing hydroxy-prolime rich
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100.0%; Pred. No. 9.3e+05;
cive 0; Mismatches 0; Indels
                                 63.3%; Score 19; DB 23; Length 4; 100.0%; Pred. No. 9.3e+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                               Contiguous hydroxyproline sequence SEQ ID NO:214.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 9; Page 122; 326pp; English
                                                                                                                                                                        ABB78523 standard; Peptide; 4 AA
                                                                                                                                                                                                                                                                                                                                                                                                             12-APR 2001; 2021WO-US12336
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Best Local Similarity Tous.
3; Conservative
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            4 A
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AGP, plant gum.
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Synthetic.
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            Sequence
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90EP-0305325 89US-0353021

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                                           Peptide is used in composition with peptide derived from p15 protein of HIV-1, HIV-2 or HTLV-1. Composition is useful in detection of human lymphotrophic retrovirus. Anti-idiotypic Abs and vaccines may be prepared, useful in modulation and immunisation against human lymphotrophic viruses.
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Claim 3; Page 5; 6pp; English.
                                                                                                                                                                                                                                                                                                                        Conservative
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nes 3; Conserv
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Gaps

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AAR07911 standard; protein; 5 AA

RESULT 15 AAR07911 ID AAR07

TPP 4

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Pred. No. is the number of results predicted by charge to law a score greater than or equal to the broad of the result result result and is derived by analysis of the total score distribution.
                                                                                                              5, 2003, 17:55:28; Search time 29 Seconds (without alignments) 29:612 Million cell updates/sec
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1: /cgn2_6/prodata/2/pubpaa/USC7_PUBCOMB.pcp:*

2: /cgn2_6/prodata/2/pubpaa/PCT_RAP PUB_PEP:*

3: /cgn2_6/prodata/2/pubpaa/USC6_NEW PUB_PEP:*

4: /cgn2_6/prodata/2/pubpaa/USC6_PUBCOMB.pep:*

5: /cgn2_6/prodata/2/pubpaa/USC7_NEW PUB_PEP:*

6: /cgn2_6/prodata/2/pubpaa/USC7_NEW PUB_PEP:*

7: /cgn2_6/prodata/2/pubpaa/USC3_NEW_PUB_PEP:*

9: /cgn2_6/prodata/2/pubpaa/USC3_PUBCOMB.pep:*

9: /cgn2_6/prodata/2/pubpaa/USC3_PUBCOMB.pep:*

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12: /cgn2_6/prodata/2/pubpaa/USC3_PUBCOMB.pep:*

13: /cgn2_6/prodata/2/pubpaa/USC3_PUBCOMB.pep:*

14: /cgn2_6/prodata/2/pubpaa/USC3_PUBCOMB.pep:*

15: /cgn2_6/prodata/2/pubpaa/USC3_PUBCOMB.pep:*

16: /cgn2_6/prodata/2/pubpaa/USC3_PUBCOMB.pep:*

17: /cgn2_6/prodata/2/pubpaa/USC3_PUBCOMB.pep:*

18: /cgn2_6/prodata/2/pubpaa/USC3_PUBCOMB.pep:*

19: /cgn2_6/prodata/2/pubpaa/USC3_PUBCOMB.pep:*

19: /cgn2_6/prodata/2/pubpaa/USC3_PUBCOMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                    Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                   644079 seqs, 171749292 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STIMMARIES
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Maximum DB
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Sequence 178, App Sequence 132, App Sequence 23, Appl Sequence 23, Appl Sequence 15, Appl Sequence 15, Appl Sequence 15, Appl Sequence 2, Appli Sequence 3, Appli Sequence 3, Appli Sequence 3, Appli Sequence 3, Appli Sequence 15, Appli Sequence 17, Appli Sequence 12, Appli US-10-CR2-014-278
US-10 372-076-132
US-10 372-076-132
US-09-825-144 15
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US-09-825-144 15
US-09-825-147 15
US-09-825-147 15
US-09-825-147 15
US-09-825-147 15
US-10-247-853 2
US-10-221-652-12
US-10-221-652-12
US-10-221-652-12
US-10-221-652-12
US-10-221-652-12 

Sequence 27, J Sequence 128,

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Sequence 186, App Sequence 15, Appl Sequence 1, Appl	Sequence 9, Appli	רער	2	25,	15,	25,	27,	6	Sequence 1, Appli	32,	21,	17,	Sequence 71, Appl	۳,	70,	12,	71,	Sequence 15, Appl	'n	2,	54,	'n,	٦	11	13,	Sequence 3, Appli
15 US-10-206-699-186 4 10 US-09-957-995A-15 5 9 US-09-054-345-1	US-09-858-75	12 US-10-316-2	12 US-10-232-544-2	12 US-10-302-817A-	14 US-10-099-895-1	14 US-10-099-895-2	15 US-10-237-	15 US-10-09		US-09-92	0S-09	4 9 US-09-803-126-17	-60-SN	CS-09-916-	US-09-825-	US-09-871-974	US-09-783-	4 12 US-10-181-804A-15	- 1	US-10-352-7	US-1	US-10-299-9			4 14 US-10-041-030-13	4 IS US-10-235-552-3
16 53,3 15 50.0 15 50.0	0.0	15 50.0	2 15 50.0	3 15 50.0	50.0	5 15 50.0	50.05	15 50.0	15 50.	14 46.	1,4	31 14 46.7	32 14 46.7		14 4	35 14 46.7	14 46.	14 4	38 14 46.7	14 46.	14 46.	14 46.	2.4	43 14 46.7		45 14 46.7

## ALIGNMENTS

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APPLICANT: Birkett, Ashley J.

TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES STABILIZED WITH AN N-TERMINAL
FILE REFERENCE: ICC-130.0 4564/85124
CURRENT APPLICATION NUMBER: US/15/082,014
CURRENT FILING DATE: 2002-62-22
PRIOR APPLICATION NUMBER: 09/930,915
PRIOR APPLICATION NUMBER: 09/930,915
PRIOR PLING DATE: 2001-68-15
SCOFTWARE: PATENTIN VOIS: 290
SCOFTWARE: PATENTIN VOIS: 290
SCOFTWARE: PATENTIN VOIS: 311
SCOFTWARE: PATENTIN VOIS: 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Page, Mark
APPLICANT: Friede, Martin
TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR
TITLE OF INVENTION: CHRONIC HEPATITIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 30; DB 12;
100.0%; Pred. No. 5.8e+05;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 2
US-10-372-076-132
Sequence 132, Application US/10372076
Publication No. US20030198645A1
GENERAL INFORMATION:
                   ; Sequence 278, Application US/10082014; Publication No. US20030185858A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 FTPPT 5
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| FTPPT 5
US-10-382-014-278
                                                                                                                                                                                                                                                                                                                                                                                                      US-10-082-014-278
                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
                                                                                                                                                                                                                                                                                                                                      LENGTH:
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RESULT 5
US-09-825-144-15
US-09-825-144-15
US-09-825-144-15
Sequence 15, Application US/39825144
Patent No. US20020337266A1
GENERAL INFORMATION:
APPLICANT: Matchias Krause
APPLICANT: Frack B. Gertler
APPLICANT: Frack B. Gertler
APPLICANT: Jorgen Weiland
TITLE OF INVENTION: Week-ods for Altering T.Cell and Macrophage Activation
FILE REFERENCE: Mc56/7365
CURRENT APPLICATION NUMBER: US/09/925,144
CURRENT PLING DATE: 2001-04-03
PRIOR FILING DATE: 2001-04-03
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ IS NOS: 15
SOFTWARE: FastSEG for Windows Version 3.0
FROM: REPORT OF SEQ IS NOS: 15
FRO
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| Sequence 3, Application US/09823240|
| Sequence 3, Application US/09823240|
| Patent No. US20020048813A1|
| APPLICANT: Frank B. Gertler |
| APPLICANT: Frank B. Gertler |
| APPLICANT: Jungen Wehland |
| PITLE OF INVENTION: Methods and Products for Regulating Cell |
| TITLE OF INVENTION: Methods and Products for Regulating Cell |
| TITLE FEFRENCE: MoSeATION: Methods and Products for Regulating Cell |
| FILE REFERENCE: MoSeATION |
| CURRENT APPLICATION NUMBER: US/09/923,246 |
| FRICK APPLICATION NUMBER: G0/194,564 |
| PRIOR FILING DATE: 2003-04-23 |
| NUMBER OF SEG ID NOS: 11
                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: (1)...(4)
COTHER INFORMATION: No. US20030108520Al-amidated amino acids
US-10-562-623A-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 4;
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63.34; Score 19; DB 9; Length 5;
Best Local Similarity 75.0%; Pred. No. 500+45.
Matches 3; Chneervative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 19; DB 15; I
; Pred. No. 5.8e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 63.3%; Score 19; DB Best Local Similarity 100.0%; Pred. No. 5.8 Matches 3; Conservative 0; Mismatches
PRIOR FILING DATE: 2000-64-18
NUMBER OF SEQ ID NOS: 24
SOFTWARE: Patentin version 3.1
SEQ 1D NO 23
LENGTH: 4
TYPE: PRT
CACANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                           OTHER INFORMATION: NFF peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Homo sapiens
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| = | - |
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NAME/KEY: Variant
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Elam Componation, plc
APPLICANT: C'Mahony, Daniel
APPLICANT: C'Mahony, Daniel
APPLICANT: C'Mahony, Daniel
APPLICANT: C'Mahony, Daniel
APPLICANT: Higgins, Lise
TITLE GE INVENTION: Peyer's Patch And/C: M.Cell Targeting libands
FILE REPRENCE: El667-20093
CURRENT APPLICATION NUMBER: US/10/185,815
CURRENT PILING DATE: 2002-10-09
PRIOR APPLICATION NUMBER: 60/302,591
PRIOR APPLICATION NUMBER: 60/302,591
PRIOR FILING DATE: 2001-07 02
NUMBER OF SEQ ID NOS: 99
SCFTWARE: Patentin version 3:1
SEQ ID NO 99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 4

US-10 662-621A-2)

Sequence 23, Aprilication US/10062623A

Publication No. US2030106520AI

GENERAL INFORMATION:
APPLICANT: Berowsky, Dow
APPLICANT: DeLoof, Arnol

APPLICANT: DeLoof, Arnol

APPLICANT: Verbaer, Perer

TITHE OF INVARION: Neuropeptides and Their Use for Fest CURRENT FILMS DATE: 202-01-31

FILE REFERENCE: UF-216C1

CURRENT FILMS DATE: 202-01-31

PRIOR APPLICATION NUMBER: 09/295,849

PRIOR FILM'S DATE: 1999-04-21

PRIOR FILM'S DATE: 1999-04-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .
O
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Best Local Similarity 100:08; Pred, As. S.An. S.An. S.Antches
Antches 3; Conservative 0; Missariches 1.
   FILE REFERENCE: 4564/87179
CURRENT APPLICATION NUMBER: US/10/772,076
CURRENT FILING DATE: 2003-02-21
PRIOR APPLICATION NUMBER: 10/080,299
PRIOR FILING DATE: 2002-02-21
FRIOR PILING DATE: 2002-02-21
FRIOR APPLICATION NUMBER: 10/682,014
PRIOR FILING DATE: 2002-02-22
NUMBER: OF SEQ ID NGS: 308
SEQ ID NO 132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CTHER INFORMACION: polypeptide liqued (S-10 185-815 99
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US-10-185 815-99
US-10-185 815-99
Federace 99, Application US/10185815
Fublication No. US/2003096354A1
GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; LENGTH: 5
; TYPE: PRT
; ORGANISM: Hord saptens
US 10-372-076 132
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APPLICANT: Innogenetics sa.

IITLE OF INVENTION: Monoclonal antibodies specific for PHF-tau,
hybridomas secreting them, antigen recognition of these
antibodies and their applications
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0
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COMPUTER: IBM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 63.3%; Score 19; DB 12; Length 5; Best Local Similarity 100.0%; Pred. No. 5.8e+05; Matches 3; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                     Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 3
STREST: Industriepark-Zwijnaarde 7, box 4
CITY: Ghent
COUNTY: Belgium
21P: B-9052
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:
RAPLICATION NUMBER: US/10/247,853
FILLING DATE: 02-NO. US2030118972A1-1999
CLASSIFICATION: «Unknown»
                                                                                                                                                                                                                                                                                                                                                                                                                     Score 19; DB 10;
Pred, No. 5.8e+05;
                                                                                                                                               REFERENCE/DOCKET NUMBER: 4341.204-US TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/432,285
FILING DATE: «Unknown»

FILING DATE: «Unknown»

TELECOMMUNICATION INFORMATION:

TELEPHONE: 00 32 9 241 07 11

TELEFAX: 00 32 9 241 07 99

INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/932,082
FILING DATE: 16-DEC-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear SEQUENCE DESCRIPTION: SEQ ID NO: 3: US-09-861-687-3
                                                                               ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-247-853-2;
Sequence 2, Application US/10247853;
Publication No. US20030138972A;
GENERAL INFORMATION:
                                                                                                                                                                                    TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ 1D NO: 3:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                            LENGTH: 5 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGIH: 5 amino acids
                                                                                                                                                                                                                                                                                              TYPE: amino acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 60.0%;
Matches 3; Conservative
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1 YTPKT :
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CORRESPONENCE ADDRESS:
ADDRESSE: No. US2020193292Alc No. US20027193292Aldisk of No. US20201932
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ..
O
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US-09-785-721A-15
Sequence 15, Application US/09785921A
Fareat No. US20620094334A1
GENERAL INFORMATION:
APPLICANT: Weeler, WHILIAM K.
APPLICANT: Ward, Thomas E.
TITLE OF INVENTION: IMMUNODEFICIENCY VIRUS
FILE REFERENCE: LIT-P1-529
CURRENT APPLICATION NUMBER: US/09/785,921A
CURRENT FILING DATE: 2001-02-15
NUMBER OF SEQ ID NOS: 17
SEQ ID NO 15
LENGTH: 5
                                                                                                                                                                                           Gaps
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                   Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           63.3%; Score 19; DB 9; Le
100.0%; Pred. No. 5.8e+05;
tive 0; Mismatches 0;
                                                                                                                                            63.3%; Score 19; DB 9; I
75.0%; Pred. No. 5.8e+05;
tive 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Brandt, Jakob
Kurtzhals, Peter
Harsen, Hertz Per
Kaareholm, Niels Christian
Invention: INSULIN DERIVATIVES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/09/861,687
FILING DATE: 21-May-2001
  SOFTWARE: FastSEQ for Windows Version 3.0 SEQ 1D NO 3 LENGTH: 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 3, Application US/09861687
Publication No. US2020193292A1
GENERAL INFORMATION:
ApplicanT: Matkussen, Jan
                                     | LENGTH: 5
| TYPE: PRT
| ORGANISM: Listeria monocytogenes
| US 09-823-240-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Havelund, Svend
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Markussen, Jan
Jonassen, Ib
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Rous sarcoma virus
US 09:785-921A-15
                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                 Query Match
Best Local Similarity
Matches 37 Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
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US-09-861-687-3
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APPLICANT: STANTON, G. John
APPLICANT: STANTON, G. John
APPLICANT: STANTON, G. John
APPLICANT: HUGHES, Thomas K.
APPLICANT: BOLDOGH, 1Etvan
TITLE OF INVENTION: USE OF CCLOSTRININ, CONSTITUENT PEPTIDES THEREOF, AND
TITLE OF INVENTION: ANALOGS THEREOF AS OXIDATIVE STRESS REGULATORS
FILE REFERENCE: 265.00220101
CURRENT APPLICATION NUMBER: US/10/281,652
CURRENT APPLICATION NUMBER: US/09/641,803
PRIOR APPLICATION NUMBER: 05/09/641,803
PRIOR FILING DATE: 1999-C8-17
PRIOR FILING DATE: 1999-C8-17
NUMBER OF SEQ ID NOS: 34
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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| Sequence 27, Application US/10252408
| Publication No. US2003008273641
| Publication No. US2003008273641
| GENERAL INFORMATION:
| APPLICANT: SMITH, Craig A. TILE OF INVENTION: TWORN NECROSIS FACTOR-ALPHA AND BETA-RECEPTORS FILE REFERENCE: A.7152-5;
| CURRENT APPLICATION NUMBER: US/10/252,408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER INFORMATION: Description of Artificial Sequence: synthetic OTHER INFORMATION: poptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  63.3%; Score 19; DB 15; Length 5; 75.0%; Pred, No. 5.8e+05;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                     PRIOR FILING DATE: 1999-06-10
PRIOR APPLICATION NUMBER: US 60/138,493
PRIOR FILING DATE: 1999-06-10
PRIOR PELLING DATE: 1999-06-10
PRIOR APPLICATION NUMBER: US 60/138,494
PRIOR FILING DATE: 1999-06-10
PRIOR FILING DATE: 1998-08-18
NUMBER OF SEQ 1D NCS: 72
SOFTWARE: Patentin version 3.0
APPLICATION NUMBER: US 60/138,426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-281 652-12; Sequence 12, Application US/13281652; Publication No. US20303091606A1; GEREAL, INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                 ; CTHER INFORMATION: optimal ligand US-10-192-381-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                         TYPE: PRT CRGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ouery Match
Bost Local Similarity 75.0.
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                                                                                                                                                                                                                                                                                                                                                              FEATURE:
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                                                                                                                                                                                                                                                                                      LENGTH:
  PRIOR
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                                                                                                                                                                        | Sequence 3, Application US/10247853
| Publication No. US28030138972A:
| GENERAL INFORMATION:
| APPLICANT: Innogenetics sa.
| TITLE OF INVENTION: Monoclonal antibodies specific for PHF-tau,
| Application of these and their applications
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0
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Sequence 47, Application US/10192381
Sequence 47, Application US/10192381
Fublication No. US20030170807A1
GENERAL INFORMATION:
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
APPLICANT: WONLEY, Paul
APPLICANT: TAC. Bo
APPLICANT: LEMHY, Daniel
APPLICANT: BENER, Jutta
APPLICANT: LEMHY, Daniel
APPLICANT: LARMHAN, AUCHONY
TITLE OF INVENTION: NUCLEIC ACID MCLECULE ENCODING HOMER 1D PROTEIN (AS)
TITLE OF INVENTION: AMENDED)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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ZIP: B-9052

COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
CCMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: PC-005/MS DOS
SOFTWARE: Patentin Release #1.0, Veision; #1.25 (SPO)
CURRINT APPLICATION DATA:
APPLICATION NUMBER: US/10/247,85;
FILING DATE: CONKNOWN:
PRIOR APPLICATION NUMBER: US/69/432,285
FILING DATE: CURKNOWN:
TELECOMMUNICATION NUMBER: US/66,360
FILING DATE: CURKNOWN:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION Of 32 9 241 07 11
TELEPROXE: CD 32 9 241 07 99
INFORMATICN FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 5 amind acids
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                                                                                                                                                                                                                                                                                                                                                   MIMBER OF SEQUENCES: 3
STREET: Industriepark-Zwijnaaide 7, box 4
CITY: Ghant
CCUNTRY: Belgium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE OF INVENTIONS AND SENDED TO THE OF INVENTIONS OF SEPERATION NUMBER: US/10/192,38: CURRENT PILLNG DATE: 2002-07-09 PRICH APPLICATION NUMBER: US/09/377,285 PRICH FILING DATE: 1999-08-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ 1D NO: 3:
US 10 247-853-3
                                  3 TPP 5
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  2 TPP 4
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US-10-247-853-3
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APPLICANT: Sundaramoorthy, M.
APPLICANT: Hidson, B.
ITILE OF INVENTION: Crystallized structure of Type IV Collagen NCI Domain Hexamer
ITILE OF INVENTION: Crystallized structure of Type IV Collagen NCI Domain Hexamer
FILS REFERENCE: MBHB 01-1017
CURRENT APPLICATION NUMBER: US 60/308,523
PRIOR FILING DATE: 2001-07-26
PRIOR FILING DATE: 2001-07-27
PRIOR FILING DATE: 2001-10-29
PRIOR APPLICATION NUMBER: US 60/356,854
PRIOR FILING DATE: 2002-03-22
PRIOR FILING DATE: 2002-06-33
PRIOR FILING DATE: 2002-06-33
NUMBER OF SEQ 1D NOS: 307
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 53.3%; Score 16; DB 15; Length 5; Best Local Similarity 75.0%; Pred. No. 5.8e+05; Matches 3; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Search completed: November 5, 2003, 18:00:35 Job time: 29 secs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
CORGANISM: Homo sapiens
US-10-206-699-49
             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 TPPT 5
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US-10-21:-088-128
| Sequence 128, Application US/102:1098
| Sequence 128, Application US/2031004479A1
| GENERAL INFORMATION: US2030104479A1
| GENERAL INFORMATION: William Propertion of APPLICANT: Chen, Wilh Tai
| APPLICANT: Chen, Wilh Tai
| TITLE OF INVENTION: No. US20030104479A1e1 Fusion Proteins And Assays For Molecular Bi
| TITLE OF INVENTION: No. US20030104479A1e1 Fusion Proteins And Assays For Molecular Bi
| CURRENT APPLICATION NUMBER: US/10/211,088
| CURRENT FILING DATE: 2001-08-01 |
| PRIOR FILING DATE: 2001-08-01 |
| PRIOR FILING DATE: 2001-12-13 |
| PRIOR FILING DATE: 2001-10-08-01 |
| PRIOR FILING DATE: 2001-12-13 |
| PRIOR PRIOR DATE: 2001-12-13 |
| PRIOR PRIOR DATE: 2001-12-13 |
| PRIOR DATE: 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
, CTHER INFORMATION: Miscellaneous Structure
US-10-252-408-27
CURRENT FILING DATE: 2002-09-24

PRIOR APPLICATION NUMBER: US/08/456,824

PRICR FILING DATE: 1995-03-20

PRICR FILING DATE: 1998-03-20

PRICR FILING DATE: 1994-06-08

PRICR FILING DATE: 1994-06-08

PRICR APPLICATION NUMBER: US 07/860,71C

PRICR RILING DATE: 1990-03

PRICR FILING DATE: 1990-03

PRICR FILING DATE: 1990-10-13

PRICR FILING DATE: 1989-10-13

PRICR FILING DATE: 1989-10-13

PRICR APPLICATION NUMBER: US 07/405,370

PRICR FILING DATE: 1989-09-11

PRICR FILING DATE: 1989-09-13

PRICR FILING DATE: 1989-09-13
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US-10-206-699-49
Feequence 49, Application US/10206699
Fublication No. US20030100510A1
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ORGANISM: Artificial sequence
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ORGANISM: Artificial Sequence
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: YIPP 4
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Sequence 12, Appl Sequence 4, Appli Sequence 2, Appli Sequence 27, Appl

Patent No. Sequence Sequence

Sequence Sequence Sequence Sequence

Sequence Sequence

22, Appl 38, Appl 6, Appl 19, Appl 3, Appli 48, Appli 27, Appli 27, Appli 31, Appli 31, Appli

Sequence Sequence

Sequence

OM protein

Sequence:

Minimum DB Maximum DB

Searched:

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80.0%; Score 24; DB 1; Length 4; 100.0%; Pred. No. 2.5e+05; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FOC COMPATIBLE
OPERATUR SYSTEM: PC-DCS/MS-DOS
SOFTWARE: PATENTIN BATA:
APPLICATION NUMBER: US/08/649,272A
FILING DATE: 17-MAY. 1996
CLASS/FICATION: 135
US-09-641-803-12
US-08-897-556A-106
US-08-897-556A-106
US-08-94-0255-12
US-08-347-135A-4
US-08-947-735-2
US-08-96-22
US-08-32-66-3
US-08-32-66-3
US-08-32-66-3
US-08-33-68-3
US-08-33-68-3
US-08-33-68-3
US-08-33-68-3
US-08-33-68-3
US-08-33-68-3
US-08-33-68-6
US-08-33-68-3
US-08-33-68-3
US-08-34-3
US-08-441-811-27
US-08-441-871-31
                                                                                                                                                                                                                                                                                                                                                                                         PACENT OF STATES

PREMENT OF STATES

GENERAL INFORMATION:

APPLICANT: MOSKAL, Joseph R

APPLICANT: COLLEY, Patricia A

TITLE OF INVENTION: Neuroactive Peptides

NUMBER OF SEQUENCES: 17

CORRESPONDENCE ALDERES: 17

CORRESPONDENCE ALDERES: 3000

COTY: Chicago

STATE: Illinois

COUNTRY: USA
                                                                                                                                                                                                                                                                                                          AL IGNMENTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION: 1
OTHER INFORMATION: /note= "NT-13"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY AGENT INFORMATION:
NAME: CHAO, MAIK
REGISTRATION NUMBER: 37,293
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                   Sequence 13, Application US/08649272A Patent No. 5763393
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SIKANDEDNESS: single
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
FRATIDE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 312-715 1234
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 80.0
Best Local Similarity 100.
Matches 4; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: Peptide
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   90909
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-649.272A-13
                                                                                                                                                                                                                                                                                                                                                                      US-08-649-272A-13
    Sequence 13, Appl
Sequence 13, Appl
Sequence 14, Appl
Sequence 15, Appl
Sequence 17, Appl
Sequence 17, Appl
Sequence 18, Appl
Sequence 19, Appl
Sequence 20, Appl
Sequence 29, Appl
Sequence 3, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                     2003, 17:53:28 ; Search time 2: Seconds (without alignments) 10:074 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Description
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. /cgn2_6/ptodata/1/iaa/5A_CCMB.pep:*
. /cgn2_6/ptodata/1/iaa/5B_CCMB.pep:*
. /cgn2_6/ptodata/1/iaa/6A_CCMB.pep:*
. /cgn2_6/ptodata/1/iaa/6B_CCMB.pep:*
. /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
. /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
                 GenCore version 5.1.6
(c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        35-C8-649-272A-13
US-C9-16-799-13
US-C9-16-799-13
US-C8-649-272A-14
US-C8-649-272A-14
US-C8-649-272A-14
US-C9-175-799-15
US-C9-17-034A-5
US-C9-17-034A-5
US-C9-195-668-18
US-C9-195-668-18
US-C9-195-668-18
US-C9-111-052-1
US-C9-111-052-1
US-C9-13-6
US-C9-13-6
US-C9-13-6
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US-C9-66-473-6
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US-C9-66-473-6
US-C9-66-12-10
US-C9-66-12-10
US-C9-66-12-10
US-C9-66-13-10
US-C9-413-10
                                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                            328717 seqs, 42310858 residues
                                                                                                                                                                                                                                                                                                                                                                                   Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

    protein search, using sw model

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Gapop 10.0 , Gapext 0.5
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Match Length
                                                                                                                                                                                                 1 FTPPT S
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seq length: 5
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Perfect score:
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Result

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Gaps
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                                                                                                                                                                                                                                                                                                            Length 5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CCUNTRY: ....
ZIP: 6.6006
COMPUTER READBLE FORM:
MODIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC CD05/MS.2005
SCTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION INGER: US/C8/649,272A
FILING DATE: 17.4AY 1996
CLASSIFICATION: NEORMATION:
NAME: CHAO, MARK
REGISTRATION NUMBER: 37,293
REFERENCE/DOCKET NUMBER: 95,12C4
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
THERPHONE: 3.22-7.15-1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  63.3%; Score 19; DB 1; Le ilarity 100.0%; Pred. No. 2.5e+05; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                        Query Match

80.0%; Score 24, DB 4, L

Best Local Similarity 100.0%; Pred. No. 2.5e+05;

Matches 4; Conservative C; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: MOSKAL, Joseph R
APPLICANT: YAMAMOTO, Hirotaka
APPLICANT: COLLEY, Patricia A
TITLE OF INVENTION: Neuroactive Peptides
NUMBER OF SEQUENCES: 17
ADDRESSED: BANNER & ALLEGRETTI, LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8: BANNER & ALLEGRETTI, LTD.
10 S. Wacker Drive, Suite 3000
CURRENT APPLICATION NUMBER: US/09/646,154
CURRENT FILING DATE: 2030-11-13
PRIOR APPLICATION NUMBER: PCT/JP99/01525
PRIOR FILING DATE: 1999-03-25
NUMBER OF SEQ ID NOS: 13
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 4
LENGTH: 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: /note= "NT-14"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-649-272A-14; Sequence 14, Application US/09649272A; Patent No. 5763393
                                                                                                                                                              TYPE: PRT ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRANDEDNESS: single
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 3 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: Peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 3; Conserva:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Chicage
STATE: Illinois
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                      2 TPPT 5
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| TPPT 4
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                                                                                                                                                                                                                                                                                                                                                                                                                            Z1P: 60606
COMPUTER REAJABLE FORM:
MEDIUM TYPE: Floppy disk
COMPITER: IBM PC COMPATIBLE
CORSATING SYSTEM: PC-DOS/MS-DOS
SCHTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 4, Application US/09646154
Patent No. 6429024
GENERAL INFORMATION:
APPLICANT: KOKUBO, TOHRU
APPLICANT: ARAI, KENJI
APPLICANT: TOMA, KAZUNORI
ITLE DEFERENCE: KP-9321
FILE REFERENCE: KP-9321
                                                                                                                                   Sequence 13, Application US/09105799
Patent No. 6107271
GENERAL INFORMATION:
APPLICANT: WOSKAL, Joseph R
APPLICANT: CCLLEY, Patricia A
TITLE OF INVENTION: Neuroactive Peptides
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSEE: BANNER & ALLEGRETT: LTD.
STREET: 10 S. Wacker Drive, Suite 3000
STATE: 1111nois
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NURBER: US/08/649,272
FILING DATE: 17-MAY-1996
ATTERREY/ASENT INFORMATION:
NAME: CHAO, Mark
REGISTRATION NUMBER: 95,1204
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/09/105,799 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION: 1
OTHER INFCRMATION: /note= "NT :3"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPCLOGY: No. 6137271 Relevant.
MOLECULE TYPE: peptide
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: 312-715-1000
TELEFAX: 312 715-1234
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 100.
Matches 4; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: amino acid
  7.2 T997.
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| TPPT 4
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                                                                                                                        US 09-105-799-13
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100.0%; Pred. No. 2.5e+05;
ive 0; Mismatches 0; Indel8
                                                                                                                                                                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-COS/MS-DOS
SOFTWARE: PAtchtin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/105,799
FILING DATE:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/105,799
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10 S. Wacker Drive, Suite 3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIPLIATION:
CLASSIPLIATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/649,272
FILING DATE: 17-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: CHAC, Mark
REGISTRATION NUMBER: 37,293
REFERENCE/DOCKET NUMBER: 95,1204
TELEPHONE: 312-715-1000
TELEPHONE: 312-715-1000
TELEPHONE: 312-715-1000
TELEPHONE: 312-715-1000
TELEPHONE: 312-715-1000
TELEPHONE: 312-715-1000
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
TENTH: 3 amino acids
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CTHER INFORMATION: /note= "NT-14"
US-09-105-799-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
STRANDENESS: single
TOPOLOGY: No. 6107271 Relevant
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.
Matches 3; Conservative
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CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: Peptide
                                         Chicago
Illinois
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CITY: Chicago
STATE: Illinois
                                                                                                                               USA
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US-09-105-799-15
                                                                                  STATE: I
COUNTRY:
ZIP: 606(
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 qq
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100.0%; Pred. No. 2.56+05;
tive 0; Mismatches 0; Indels
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US-09-105-799-14
Sequence 14, Application US/09105799
Patent No. 6107271
GENERAL INFORMATION:
APPLICANT: MOSKAL, Joseph R
APPLICANT: YAMAMOTO, Hirotaka
APPLICANT: COLLEY, Patricia A
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: MOSKAL, Joseph R
APPLICANT: YAMANOTO, Hirotaka
APPLICANT: COLLEY, Patricia A
TILL OF INVENTION: Neuroactive Feptidess
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     E: BANNER & ALLEGRETTI, LTD.
10 S. Wacker Drive, Suite 3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BANNER & ALLEGRETTI, LTD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         95,1204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                 Sequence 15, Application US/08649272A
Patent No. 5763393
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: 95
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-715-1030
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Floppy disk
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 3 amino acids
TYPR: amino acid
STRANDEENESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: single
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 63.3
Best Local Similarity 100.
Matches 3, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: Peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 10 S. Wac
CITY: Chicago
STATE: Illinois
CCUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
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                                                                                                                                                                                                                                                                        RESULT 5
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Sequence 1, Application US/0812546
Facent No. 5591593
GENERAL INFORMATION:
APPLICANT: COUNTED STATION:
TITLE OF INVENTION: MINIMA: RECOGNITION UNIT OF PER MUCIN
TITLE OF INVENTION: 18
NUMBER OF SEQUENCE: 18
CORRESPONDENCE ADDRESS:
ADDRESSED: Jules E Goldberg, Esq.
STRET: 261 Madison Avenue
CITY: New York
STATE: New York
CCINIRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ·.
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                                                                                                                                                                                                                                 Query Match 63.3%; Score 19; DB 1; Length 4; Best Local Similarity 100.0%; Pred. No. 2.5e+05; Matches 3; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FCRM:
MEDICH TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Elb PC compatible
OPERATING SYSTEM: PC-FCS/MS-BOS
SOFTWARE: Patentin Release #1.C, Version #1.25
CURRENT APPLICATION BATA:
APPLICATION NUMBER: US/06/122,546
FILM DATE: 09/29/93
CLASSIFICATION: 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY AGENT INFORMATION:
NAME: Soldberg, Jules E
REGISTRATION NUMBER: 24,408
REFERENCE/DOCKET NUMBER: JG-EPC-1069PCT
TELECOMMUNICATION INFORMATION:
                                              HUBR 1018
        5427927man D.
                          30,946
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (212) 986-4090
TELEFAX: (212) 888-9479
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
  NAME: Hanson, No. 5427927m
REGISTRATION NUMBER: 30.94
REFERENCE/DOCKET NUMBER: 1
INFORMATION FOR SEO ID NO: 5
SEQUENCE CHARACTERISTICS:
LENGTH: 4 amino acid
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 4 amino acids TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: peptide HYPCTHETICAL: NO
                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ANTI-SENSE: NO FRAGMENT TYPE:
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2 PPT 4
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                                                                                                                                                                                             US-07-917-034A-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STATE: NGW FORK
COMPURY: GAA
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 :nch, 360 db stitled:
COMPUTER: IBM PC compatible
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: DG/07/917,034A
FILING DATE: 1.Peb-193;
RAPLICATION NUMBER: DE 40 39 415.6
FILING CATE: 10.Dec-199;
RAPLICATION NUMBER: DE 40 15 922.1
RAPLICATION NUMBER: DE 40 15 922.1
RAPLICATION NUMBER: DE 40 15 922.1
REIGN CATE: 17 May-1990
PRICE APPLICATION DATA:
APPLICATION NUMBER: US/08/649,272
FILING DATE: 17-MAY-1996
ATTORNEY/AGEN: INFORMATION:
NAME: CHAO, MAYK
REGISTRATION NUMBER: 37,293
REFERENCE/DOCKET NUMBER: 95,1204
TELEPRENCE/DOCKET NUMBER: 95,1204
TELEPRENCE/DOCKET NUMBER: 95,1204
TELEPRENCE/DOCKET NUMBER: 95,1204
TELEPRENCE/DOCKET NUMBER: 95,1204
TELEPRENCE 1312-715-1300
INFORMATION FOR SEQ ID NO: 15:
SECURING CHARACTERISTICS:
LENGTH: 3 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: DE 40 03 149.7
FILING DATE: 3-Feb-1990
ATTOENEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: DE 40 15 921.3
FILING DATE: 17-May-1990
PRICR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                          LCCATICN: 1
CTHER INFORMATION: /note= "NT-15"
                                                                                                                                                                                                                                                              TYPE: amino acid
STRANDENESS: single
TGPOLGY: No. 6107271 Relevant
MCLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: Peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PPT 3
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Gaps

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APPLICANT: Courtenay-Luck, Nigel S
TITLE OF INVENTION: MINIMUM RECOGNITION UNIT OF PEM MUCIN
TITLE OF INVENTION: TANDEM REPEAT SPECIFIC MONOCLONAL ANTIBODY
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Jules E Goldberg, Esq.
STREET: 261 Madison Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER REACABLE FORM:
COMPUTER REACABLE FORM:
MEDIJM TYPE: Floepy disk
COMPUTER: Elber Compatible
COMPUTER: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/131.052
FILING DATE: August 7, 1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Goldberg, Jules E
REFERENCE/DOCKET NUMBER: UG-EPC-1069C-3
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURENT APPLICATION DATA:
APPLICATION NUMBER: US/09/195,868
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      63.3%; Score 19; DB 3; Le
100.0%; Pred. No. 2.5e+05;
iive 0; Mismatches 0;
                                                                                                         CLASSIFICATION:
APPLICATION NUMBER: US/09/195,868
FILING DATE:
                                                                                                                                                                                                                                        1182.004
                                                                                                                                                                   ATTORNEY AGENT INFORMATION:
NAME: FIRESTONE, LEIGH H.
REGISTATION UNDRER: 36,81
REFERENCE/DOCKET NJMEER: 1182.
TELECOMMUNICATION INFORMATION:
TELEFACK: 510-923-2707
TELEFACK: 510-655-354.
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1, Application US/09131052
Patent No. 6107469
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION
TELEPHONE: (212) 986-4090
TELEFAX: (212) 818-9479
INFORMATION FOR SEC ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGIH: 4 amino acids
                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 4 amino acids
                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       pept i de
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STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE: New York
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: positive NO HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New York
                                                                                         FILING DATE
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                                                                                    GENERAL INFORMATION:
APPLICANT: COUTENAY-LUCK, Nigel S
TITLE OF INVENTION: MINIMUM RECCGNITION UNIT OF PEM MUCIN
TITLE OF INVENTION: TANDEM REPEAT SPECIFIC MONOCLONAL ANTIBODY
NUMBER OF SEQUENCES: 18
CORRESONDENCE ADDRESS:
ADDRESSEE: Jules E Goldberg, Esq.
STRRET: 261 Madison Avenue
CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ..
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US-09 195-868-18
Sequence No. 6090621
GENERAL INFORMATION:
APPLICANT: KAVANAUGH MD, MICHAEL
APPLICANT: MATLIAMS MDPHD, LEWIS T.
TITLE OF INVENTION: SIGNALING INOSITOL PCLYPHOSPHATE:
TITLE OF INVENTION: 5-PHOSPHATASES (SIPS)
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  63.3%; Score 19, DB 2; Longth 4; 100.0%; Pred. No. 2.5e+05; Astive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                           OCFTARE. Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/764,938
FILING DATE: December 13, 1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Goldberg, Usles E
REFERENCE/DOCKET NUMBER: UG-EPC-1069PCT/C
TELECOMMUNICATION INFORMATION:
TELECHONE: (212) 986-4090
TELECHONE: (212) 986-4090
TELECHONE: (212) 989-9479
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARRACTERISTICS:
LENGTH: 4 amino acids
LENGTH: 4 amino acids
                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DCS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEE: CHIRON CCRPORATION: 4560 HORTON STREET
                                              ; Sequence 1, Application US/08764938; Patent No. 5833943
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                E: Floppy disk
IEM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Rest Local Similarity 100.
Matches 3, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ANTI-SENSE: NO
FRAGMENT TYPE: internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NOLECULE TYPE: peptide HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 946C8
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy (COMPUTER: IBM PC COM
                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
                                                                                                                                                                                                                                                                                     STATE: New York
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             S
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      RESULT 10
US:08-764-938-1
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APPLICANT: YOSHIDA, ACCED
APPLICANT: TAKEUCHI, VAKOLO
TITLE OF INVENTION: PEPTIDE SEQUENCE THAT FORMS MUCIN SUGAR
TITLE OF INVENTION: CHAIN AND TECHNIQUE FOR MODIFYING PROTEIN TO BE LINKED
TITLE OF INVENTION: WITH MUCIN SUGAR CHAIN
NUMBER OF SEQUENCES: 114
CORRESPONDENCE AUGRESS:
APPRESSEE: FOLEV 6 1 - 2 3
STREET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ö
  TITLE OF INVENTION: Genes Encoding an Insect Calcium Channel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 19; DB 3; Length 4;
Pred. No. 2.5e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                CUNTRY USA

CINTRY USA

CIP. 22314-3187

COMPUTER READBLE IGAN:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OBBERATING SYSTEM: PC-FCS/MS-DCS
SOFTWARE: PATCHIN Release #1.C, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/895,590
FLING APPLICATION ATTAING PRIOR APPLICATION NUMBER: US/08/374,888
FILING APPLICATION NUMBER: US/08/374,888
FILING DATE: 19-JAN-1995
ATTAING DATE: 10-JAN-1995
ATTAING DATE: 10-JAN-1995
ATTAING DATE: 10-JAN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
CCMPUTER: IBM PC compatible
CPERATING SYSTEM: PC-DOS/MS DOS
SCFTMARE: PatentIn Release #1.3, Version #1.30
CLPRENT APPLICATION DATA:
                     NUMBER OF SEQUENCES: 101
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DCANE, SWECKER & MATHIS,
STREET: 699 Prince Street
CITY: Alexandria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      E: Foley & Lardner
3000 K Street, N.W., Suite 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: McGowan, Malcolm M.
REGISTRATION NUMBER: 39,300
REEPENCE/FOOKET NUMBER: 022650.263
TELECOMMUNICATION : NPORMATION:
TELEPHONE: 703-836-6620
TELEPEAX: 703-836-522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NYMBER: US/08/666,473
FILING DATE: 19 SEP 1996
CLASSIFICATION: 436
FRI:R APPLICATION LATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            63.3%; Scor.
100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-666-473-6
; Sequence 6, Application US/08666473
; Patent No. 944373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 40: SEQUENCE CHARACTERISTICS: LENGTH: 4 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      / MCLECULE TYPE: protein US-08-895-590-40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 20007-5109
CCMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amino acid
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CITY: Washington
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Best Local Similarity
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: USA
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                                                               63.3%; Score 13; DB 3; Janjih 4; 100.0%; Pred. No 2.5e+67; Electron 0; Mismatches 6; Indels
                                                                                                           G. Inde.s
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/09/11.35/4
FILING DATE: August 7, 1996
CLASSIFICATION:
ATTORNEY/AGNIT INFORMATION:
NAME: Goldberg, Jules E
REPERENRE/DOCKET NUMBER: US-EP-1069/1 2
FELEPHONE: (2.2) 986-4090
TELEPAX: (2.2) 986-4090
INFORMATION FOR SEQ ID NO: 1:
SEPRINCE CHARACTERISTICS:
LENGTH: 4 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 40, Application US/08895590
Patent No. 62074.0
GENERAL INFORMATION:
APPLICANT: Ball, binds M.
APPLICANT: Rel, Dejian
APPLICANT: Zheng, Wei
APPLICANT: Dubaid, Manuel Marce; Pattl
                                                                                                                                                                                                                                                                                          US-09-131 GS3A-1
; Sequence 1, Application US/09131053A
; Patent No. 6174691
                                          Owary Match
Best Local Similarity Tours
3: Conservative
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HYPOTHETICAL: NO
ANTI SENSE: NO
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STRANDEDNESS: Sin
TCPCLOSY: linear
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Best Local Similarity
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US 09 131 052:1
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US 08-895-590-40
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APPLICATION NIMBER: WO PCT/JP95/02239
FILING DATE: 01-NOV-1995
PRICR APPLICATION NOMBER: 3P 7-22101
FILING DATE: 09-FEB-1995
PRIOR APPLICATION NOMBER: 3P 7-22101
FILING DATE: 09-FEB-1995
ATTORNEY/AGENT INFORMATION: APPLICATION NOMBER: 3P 7-68
ATTORNEY/AGENT INFORMATION: NAME: BENY, Stephen A. REGISTRATION NUMBER: 16897/837
FELEX: 964136
INFORMATION FOR SEC ID NO: 6: SEQUENCE CHARACTERISTICS: 1ELEFAX: 964136
INFORMATION FOR SEC ID NO: 6: SEQUENCE CHARACTERISTICS: 1ELEFAX: 964136
INFORMATION FOR SEC ID NO: 6: SEQUENCE CHARACTERISTICS: 1ENOTH: 5 amino acids STRANDEDNESS: single US-08 666-473-6
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2 TPP 4
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Search completed: November 5, 2003, 17:56:31 Job time: 22 secs

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                                                                                                                                       November 5, 2003, 17:59:59; Search time 13 Seconds (without alignments) 96:169 Million cell updates/sec
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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Maximum Match 100%
Listing first 45 summaries
                                                                                                 OM protein - protein search, using sw model
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PH158:
A37027
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A32195
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Gapop 10.0 , Gapext 0.5
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Match Length
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1: pir1:*
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Perfect score:
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hypothetical 1.4K hypothetical 1.4K T-Call receptor al tubulin alpha-chai dnaA protein. Pse unspecific monoxy T-cell receptor al T-cell receptor be hypothetical prote parssporal crystal NADP-Cycochrome P4 hypothetical prote alpha-macrogiobul zinc-mecallophosph bma protein · Clos IG H chain V-D-J r	S -1990 #text_change 30-Sep-1993 , 1990 icilin from Cajanus cajan. ib:2366256	B 2; Length 7; 8e+05; s 1; Indela 0; Gaps 0;	int.) 1989 #text_change 18-Jun-1993 .n, N. cation and amino acid sequence of an [D:3261994	B 2; Length B; .8e+05; B 0; Indels 0; Gaps 0;	<pre>ied bacterium (fragment) 1997 #text_change i0-Jul-1998</pre>
12 2 JQ2318 12 2 JQ2318 13 2 SPH172 13 2 SPH172 13 2 C26997 10 2 PH0946 10 2 PH0946 11 2 SH087 11 2 SH4087 11 2 SH4087 11 2 SH4087 11 2 SH209 12 2 SH209	ALIGNMENT  pea (fragment) pigeon pea) ince_revision 13-Jul ; Ranjekar, P.K. imun. 166, 1446-1452 imun. 266, 1446-1452 imun. 2006; pw	32.4%; Score 22; DB 60.0%; Pred. No. 2.86 vative 1; Mismatches	(tragme tle) 30-Sep- ; Traini : purifi 920; PM]	30.9%; Score 21; D 100.0%; Pred. No. 2 vative 0; Mismatche	stone protein - unidentified k ied bacterium #sequence_revision 07-Feb-1997
2521125212 2521125212 2521125212 2521125212 2521125212 252122222222	chain - pig ajanus caja ajanus caja ajagan .; Mawal, M phys. Res. sual dener: A34 B34818 eliminary ype: protei	Similarity 3; Conservated CLEDG 5	factor g s primigen p-1989 fse A28719 .; Buchner .; 4066-4 ic humoral umber: A28 A28719 e protei	Similarity 4; Conser LEDG 5      LEDG 4	bladder st identified b-1997 #se
0 1 2 2 4 4 4 4 4 4 4 4 4 4 5 5 5 5 5 5 5 5	RESULT 1 B14818 vicilin 57K chain - pigeor C; Species: Cajanus cajan ( C; Date: 13.3.1.1990 #seque C; Accession: B14818 R; Mawal, Y.R.; Mawal, M.R. Biother: Biophys. Res Con A; Title: Unusual denatural A; Reference number: A14818 A; Accession: B14818 A; Status: preliminary A; Molecule type: protein A; Residues: 1-7 cMAW>	Ouery Match Best Local : Matches :	ALESULT 2 Lhymic humora Clypecies: Bo Clypecies: Bo Clypecies: Bo Clypecies: Bo Clypecies: Bo Alectric Clype Altitle: Thym Altit	Query Match Best Local Matches Oy 2	RESULT 3 G58501 48K bile/gallbladder stone protein C;Species: unidentified bacterium C;Date: C7-Feb-1937 #sequence_revis

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Tibosomai protein S16 - fungus (Fusarlum sporotrichloides) (fragment)
C;Species: Fusarium sporotrichioides)
C;Date: 05-Aug-1894 #sequence_revision 05-Aug-1894 #text_change 11-Nov-1894
C;Date: 05-Aug-1894 #sequence_revision 05-Aug-1894 #text_change 11-Nov-1894
C;Accession: PND160
C;Accession: PND160
A;Description: Two dimensional polyacrylamide gel electrophoresis of Fusarium sporotr
A;Reference number: PND:60
A;Accession: PND:60
A;Accession: PND:60
A;Accession: PND:60
A;Molecule type: protein
A;Residues: 1.12 <FUK>
C;Keywords: protein biosynthesis; ribosome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cjaccession: A33660
R,Davies, J.; Warwick, J.; Totry, N.; Philp, R.; Helfrich, M.; Horton, M.
J. Cell Biol. 109, 187-1826, 1989
A,Title: The osteoclast functional antigen, implicated in the regulation of bone reso A,Reference number: A33660, MUID:9009054; PMID:2477382
A,Accession: A33660
                                  99K protein 3225 - rice (strain Nihonbare) (fragment)
C;Species: Oryza sativa (rice)
C;Species: Peb-1994 #Sequence_revision G3-Feb-1994 #text_change 11-Apr-1995
C;Rocession: PS0259
A;Reference number: PS0209
A;Reference number: PS0209
A;Reference number: PS0209
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C,Species: Cercopitheous aethiops (green monkey, grivet)
C,Date: 30-Mar-1990 #sequence_rovision 30-Mar-1990 #text_change 23-Mar-1995
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 11;
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A;Molecule: iype: procein
A;Residune: 1-13 c.DAV-
A;Experimental source: a green monkey kidney Vero cell line
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80.0%; Pred. No. 3.5e+03;
live 0; Mismatches 1;
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llarity 50.0%; Pred. No. 2.2e+03;
Conservative 2; Mismatches 1.
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3, Conservative
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Best Local Similarity 80.0
Matches 4; Conservative
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nes 3; Conserv
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A60427

A60427

Macrophage cytotoxicity-inducing factor, 29K - human (fragment)

C)Species: Hemo sapiens (man)

C)Species: Hemo sapiens (man)

C)Accession: A60427

R)Construction: A60427

R)Construction: A60427

Exp. Hematol, 19, 764709, 1991

A)Title: Purification and amino acid analysis of a human macrophage cytotoxicity-inducin

A)Reference number: A60427; MUDD:91372885; PMID:1909970
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gastric juice peptide - human Cispeciaes (man) Cispeciaes Bono saties (man) Cispeciaes Bono saties (man) Cispeciaes 20 June 20
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A,Molecule type: protein
A,Residues: 1-9 «JON»
A,Note: the sequence from the text on page 70% is inconsistent with that from page 708
C,Keywords: cytokine
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity 42.9%; Score 21; DB 2; Length 10; Similarity 42.9%; Pred. No. 1.78+03; 3; Conservative 3; Mismatches 1; Endels
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C.Accession: G58501

R.Sinette, O.P.; Binette, M.B.

R.Describtion: The proteins of Kidney and galibladder stones.

A.Describtion: The proteins of Kidney and galibladder stones.

A.Reference number: A58501

A.Recession: G56501

A.Recession: Pretainary

A.Molecule type: protein

A.Residues: 1.0 < 2018

A.Residues: 1.0 < 2018

A.Residues: 1.0 < 2018

A.Rote: 1 Ser and 4.Glu were also found
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
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Matches 4, Conservative
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Best Local Similarity
Matches 3; Conserv
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| LEDGO 9
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RESULT 6

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Jubilian beta-A chain - African clawed frog (fragment)
NyAlternate names: activin A; resoderm-inducing factor
C;Species: Kenopus laevis (African clawed frog)
C;Date: 18 Feb-: 994 #sequence_revision 18-Aug-2000 #text_change 18-Aug-2000
C;Accession: S19926
R;Smith, J.C.; Price, B.M.J.; van Nimmen, K.; Huylebroeck, D.
Nature 345, 729-731, 1990
A;Tible: Identification of a potent Xenopus mesoderm-inducing factor as a homologue of A;Reference number: $10926; MulD:90294906; PMID:2113615
A;Mocession: S10926
A;Molecule type: protein
A;Reference number: Air No. Air C;Superfamily: inhibin
C;Reywords: horrone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Troell receptor beta chain V-D-J region (126-18E) - mouse (fragment)
C;Species: Mus musculus ;house mouse)
C;Species: Mus musculus ;house mouse)
C;Accession: PTC543
R;Feeney, A.J.
R;Feeney, A.J.
A;Title: C,Junctional sequences of fetal T cell receptor beta chains have few N regions A;Reference number: PTC509; MUID:91277601; PMID:1711558
A;Accession: PTC509; MUID:91277601; PMID:1711558
A;Actaus: translation not shown
A;Molecule type: mRNA
A;Restidues: 1-7 FEE.
A;Experimental source: day 18 fetal thymus, strain BALB/C
C;Keywords: T-cell receptor
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C;Species: Mas misculus (house mouse)
C;Species: Mas misculus (house mouse)
C;Accession: PT0567
R;Feerey, A.J.
Experiment: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-May-1997
C;Accession: PT0567
R;Feerey, A.J.
A;Title: Junctional sequences of fetal T cell receptor beta chains have few N: A;Reference number: PT0509; MJD:91277601; PMID:1711558
A;Recession: PT0567
A;Status: translation not shown
A;Wolecule type: rRNA
A;Residues: i-G FEB.
A;Experimental source: day 4 postnatal thymus, strain BALB/C
C;Keywords: T-cell receptor
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nes 3; Conserv
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S10926
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PT0657
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Cisperies: Sus scrofa domestica (domestic pig)
Cisperies: Sus scrofa domestica (domestic pig)
Cisperies: Sus scrofa domestica (domestic pig)
Cisperies: Sus decasts
Rilwamoto, T.; Hiroaki, H.; Furuichi, Y.; Wada, K.; Satoh, M.; Satoh, M.; Osada, T.; Gag
Rilwamoto, T.; Hiroaki, H.; Furuichi, Y.; Wada, K.; Satoh, M.; Satoh, M.; Osada, T.; Gag
A.Title: Cloning of boar SPMI gene which is expressed specifically in seminal vesicle an
S47357
T-cell antigen receptor VJ junction beta chain - human
T-cell antigen receptor VJ junction beta chain - human
C;Date: 96-3an-1995 #sequence_revision 66-Jan-1995 #text change 05-Nev-1999
C;Accession: S47357
S;Lehner, P.J.
S;Lehner, P.J.
S;Accession: Human HLA-A0201 restricted recognition of influenca A is dominated by T c
A;Reference number: S47355
A;Accession: S47357
A;Accession: BRA
A;Residues: 1-13 *LBIs
A;Residues: 1-13 *LBIs
A;Residues: 1-13 *LBIs
A;Cross-references: EMBL:235681; NID:9527451; PICN:CAB84750.1; PID:9527452
C;Keywords: T-cell receptor
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A, Title: Junctional Sequences of fetal T cell Paceptor Exta chains have few N regions.
A, Reference number: PT0509, MUID:91277601, PMID:17:1558
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Cispecies: Mus musculus (house mouse)
Cibate: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text change 30 May-1997
CiAccession: PT664
R:Feeney, A.J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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.7e•03;
ne l; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 26.5%; Score 18; DB 2; Length 13; Best Local Similarity 33.3%; Pred. No. 5.7e+03; Matches 3; Conservative 1; Mismatches 5; Indels
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Best Local Similarity 100.0%; Pred. No. 2.8e+15,
Matches 3; Conservative 0; Mismatches 0; Indels
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A,Status: translation not shown
A,Molecuke type: mRNA
A,RKsions: 1-6 cFEE>
A,Experimental source: newborn thymus, strain BALB/C
C,Keywords: T-cell receptor
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50.0%; Pred. No. 5.7e+03
tive 2; Mismatches
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Matches 3, Conservative
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A,Residues: 1-13 <IWA>
A,Note: Pro-6 was also found
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S66235
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Best Local Similarity 75.0%; Pred. No. 6.46+03;
Matches 3; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 4 EGGV 7

Db 5 DGKV 8

RESULT 15
Fig442
Cycothome C553 - Desulfovibrio desulfuricans (fragment)
C;Species: Desulfovibrio desulfuricans
C;Date: 28-Max-1998 Hisquence_revision 28-Mar-1998 Hiexi change of May-1999
C;Accession: PC4442
R;Aubert, C.; Leroy, G.; Bianco, P.; Fovest, E.; Prusch: M.; Dolla, A.
R;Aubert, C.; Leroy, G.; Bianco, P.; Fovest, E.; Prusch: M.; Dolla, A.
R;Aubert, C.; Leroy, G.; Bianco, P.; Fovest, E.; Prusch: M.; Dolla, A.
R;Aubert, C.; Leroy, G.; Bianco, P.; Fovest, E.; Prusch: M.; Dolla, A.
R;Aubert, C.; Leroy, G.; Bianco, P.; Fovest, E.; Prusch: M.; Dolla, A.
R;Aubert, C.; Leroy, G.; Bianco, P.; Fovest, E.; Prusch: M.; Dolla, A.
R;Aubert, C.; Leroy, G.; Bianco, P.; Fovest, E.; Prusch: M.; Dolla, A.
R;Aubert, C.; Leroy, G.; Bianco, P.; Fovest, E.; Prusch: M.; Dolla, A.
R;Aubert, C.; Leroy, G.; Bianco, P.; Fovest, E.; Prusch: M.; Dolla, A.
R;Aubert, C.; Leroy, G.; Bianco, P.; Fovest, E.; Prusch: M.; Dolla, A.
R;Aubert, A.
R;Aubert, Dolla, A.
R
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Search completed: November 5, 2003, 18:04:16 Job time : 14 secs

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P80432 rattus norv
P81545 dictyostell
P38007 chlamydia t
P80699 bacillus su
P82087 litcria cit
P83321 penaeus mon
P13179 chandipura
P56245 litcria xan
Q10584 megathura
P17645 drosophila
P17478 oryctolagus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRAIN=South Carolina;
MEDLINE=20214217; PubMed=10752552;
Wang Q., Poulos B.T., Lightner D.V.;
"Protein analysis of geographic isolates of shrimp white spot syndrome
                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                             Gastric juice peptide.

Homo sapiens (Human)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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GASTRIC JUICE PEPTIDE 2.
CFEECGAB02C3387D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12 AA; 1323 MW; 0C0F41E91D51A724 CRC64;
                                                                                                                                                                                                                                                                                                                                                    Score 20; DB 1; I
Pred. No. 1.1e+03;
1; Mismatches 4;
                                                                                                                                                                                                                                                 SEQUENCE.
MEDLINE=75150968; PubMed=5538385;
Heatinec J.G., Washington R.J.;
"Peptides of normal human gastric juice.";
Int. J. Protein Res. 2:117-126(1970).
PIR; AC1628; GXHU1.
MIN; 137220; --
GO; GO:0007586; P:digestion; NAS.
                                                                                                                                                                          21-JUL-1986 (Rel. 01, Created)
21-JUL-1986 (Rel. 01, Last sequence update)
15-SEP-2003 (Rel. 42, Last annotation update)
                                                                                                                  ALIGNMENTS
COXO RAT
SR34 DICKU
UXA6 BACSU
VEG6 BACSU
CA21 LITCI
FAR6 PENNO
RRPL CHAV
CD11 LITXA
CD11 LITXA
CD14 LITXA
HCVB MEGCR
OPS3 DROVI
FIRB RABIT
                                                                                                                                                                                                                                                                                                                                                    29.4%;
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2 10
10 AA; 1004 MW;
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Best Local Similarity
5, Conserve
                                                                                                                                                                                                                                                                                                                                                                                     2 LEDGOVNDVD
 GAJU HUMAN
P01358;
  SEQUENCE
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P41868 callphora
P41868 callphora
P5298 Cornes appen
P5291 conopholis
P5293 conus imper
P15597 qivcine max
P81597 tenebrio mo
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tasciola he
halocynthia
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leucophaea
klebsiella
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homo sapien
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P82992 thodopseudo
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                                                        2003, 17:56:33 ; Search time 9.5 Seconds (Without Alignments) 64:352 Million cell updates/sec
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P40929 1
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Q35564 1
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F38556 1
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         GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compagen Ltd.
                                                                                                                                                                   Total number of hits satisfying chosen parameters:
                                                                                                                                                   127863 segs, 47026705 residues
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V23K_WSSV
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UPA6_HUMAN
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Maximum Match 100%
Listing first 45 summaries
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Match Length DB
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RESULT 6
PLP BRANA STANDARD; PRT; 8 AA.
AC P10-1999 (Rel. 18, Created)
DT 15-JUL-1999 (Rel. 18, Last sequence update)
DT 15-JUL-1999 (Rel. 18). Last sequence update)
DT 10-MAY-2000 (Rel. 19). Last annotation update)
DE Plastidial lipid-associated protein (Fragment).
CS Brassica napus (Rape).
CC Eukaryota, Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
CC Eukaryota, Magnoliophyta; eudicotyledons; core eudicots; Rosidae;
CC eurosids II; Brassicales; Brassicaceae; Brassica.
                    Microbiology 141:3087-3093(1995).
-:- FUNCTION: AMINOPEPTICASE WHICH HYDROLYZES SUBSTRATES WITH FREE N-TERMINAL AMINO ACID RESIDUES BUT NOT N-TERMINAL BLOCKED ONES.
OPTIMIX ACTIVITY IS RESIDUED AT PH 7.5. MAY BE IMPORTANT IN THE NUTRITION AND PATHOGENESIS OF THE ORGANISM IN THE HUMAN ORAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TISSUE=Heart; MEDLINE=95203287; PubMed=7895732; Corbert J.M., Wheeler C.H., Baker C.S., Yacoub M.H., Dunn M.J.; "The human myocardial two-dimensional gel protein database: update
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Electrophoresis 15:1459-1465(1994).
-:- MISCELLANEOUS: ON THE 2D-GEL THE DETERMINED PI OF THIS UNKNOWN PROTEIN 1S: 5.7, ITS MM 1S: 35.5 kDa.
NON_TER 13 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens (Human).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
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01-FEB-1995 (Rel. 31, Last sequence update)
16-CCT-2001 (Rel. 40, Last annotation update)
Unknown protein from 2D-page of heart (Spot 4304) (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               h Similarity 100.0%; Pred. No. 4.5e+03; 3; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                              Score 17; DB 1; Length 10;
Pred. No. 3.4e+03;
2; Mismatches 0; Indels
                                                                                                                                                                                                                                                  NON TER 1 : NON TER 10 : 10 SEQÜENCE : 10 AA; 1306 MW; 00COA6DB43772694 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE 13 AA; 1380 MW; 6617BA7A1E06AB1B CRC64;
                                                                                                                                                                                                                             Hydrolase, Aminopeptidase, Magnesium, Calcium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .3 AA
                                                                                                                                                                                               -!- COFACTOR: REQUIRES MAGNESIUM OR CALCIUM
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MEDLINE=99349136, PubMed=10420651;
                                                                                                                                                                                                                                                                                                                                                                    25.0%;
                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 60.0
Matches 3: Conservative
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Rest Local Similarity
Matches 37 Conserv
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P40928;
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UHAL HUMAN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "A transaldolase. An enzyme implicated in crab steroidogenesis.";
Endocrine 5:23-32(1996).
CHARTHON: ACTINS ARE HIGHLY CONSERVED PROTEINS THAT ARE INVOLVED CHARTHON: ACTINS ARE HIGHLY CONSERVED PROTEINS THAT ARE INVOLVED CHARTHON: TYPES OF CELL MOTILITY AND ARE UBJOUTCUSLY EXPRESSED IN ALL EUKARYOTIC CELLS.
CHARTHON: TYPES OF CELL MOTILITY AND ARE UBJOUTCUSLY EXPRESSED CHARTHON: CYCOPIASMIC.
CHARTHON: OF CELLANDIOUS OF THE 2D-GEL THE DETERMINED PROTEIN IS:
CHARTHON: BELONGS TO THE 2D-GEL THE DETERMINED PROTEIN IS:
CHARTHON: PROTEIN: ACTINS TO ACTINS THE ACTINS TO PARTIAL.
RICHEPPO, IPRO14001, ACTIN 1: PARTIAL.
RICHEPPO: ACTINS TO PARTIAL.
RICHEPPO: ACTINS TO PARTIAL.
RICHEPPO: ACTINS ACTINS ACTINS ACTILIES; PARTIAL.
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MEDLINE-S61182-34; Pubmed-8574402;
Spratt 1. A., Greenman G., Schaffer A.G.;
"Capnocytophaga qingivalis aminopeptidase: a potential virulence
                                                                                   Ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Lachaise F., Somme G., Carpentier G., Granjeon E., Webster S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Carcinus maenas (Common shore crab) (Green crab).
Makaryota Metazoa, Arthropoda; Crustaceu, Malacostraca;
Eumalacostraca; Eucarida; Decapoda; Pleocyemata; Brachyura;
Eubrachyura; Portunoidea; Portunidae; Carcinus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Caprocytophaga gingivalis.
Bacteria, Bacteroidetes, Flavobacteria, Flavobacteriales,
                          27.9%; Score 19; DB 1; Length 12; 27.3%; Pred. No. 1.9e+53;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26.5%; Score 18, 78.1; Denoth 8, 75.0%; Pred, No. 1. Ke+29; trive... 1; Mismatches... 1. Habris...
                                                                                3; Indels
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01-0CT-1996 (Rel. 34, Last sequence update)
01-0CT-1996 (Rel. 34, Last annotation update)
Aminopeptidase (SC 3.4.11.-) (Fragment)
                                                                                                                                                                                                                                                                                                                                                                                           or CCT 1996 (Rel. 34, Created)
01-CCT-1996 (Rel. 34, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
                                                                                                                                                                                                                                                                                                                                            8 A
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                                                                                   5; Mismatches
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NCBI_TaxID=1017;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 75.0
Matches 3; Conservative
                                                     Best Local Similarity 27.3
Matches 3, Conservative
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                                                                                                                                         2 LEDGQVMDVDL 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Actin (Fragment).
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P80709:
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SEQUENCE
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                          Query Match
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Hernandez-Finzon I., Ross J.H.E., Barnes K.A., Damant A.P.,

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STANDARD;
                                                                                   STANDARD;
                                                                                                                                                                                                                                                                                                                                                 SEQUENCE, AND SYNTHESIS.
                                                                                                                                                                                                                                                                           Blaberidae, Leucophaea.
NCBI_TaxID=6988;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Klebsiella pneumoniae.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         genome of Klebsiella.
Mol. Microbiol. 7:537
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PROTEIN FAMILY 1.
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Q05564;
                                                                                   LCMS LEUMA
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MOD_RES
SEQUENCE
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                                 "Composition and role of tapetal lipid bodies in the biogenesis of the pollen coat of Brassica napus."; Planta 208:588-598(1999).
                                                                                                 -i- FUNCTION: MAY PLAY A STRUCTURAL ROLE IN THE BLAIGPLAST, A TAPETUM-SPECIFIC PLASTIDIAL LIPID ORGANELLE.
-i- TISSUE SPECIFICITY: TAPETUM OF ANTHERS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gregaria.";
Biochem, Biophys, Res. Commun, 160:850-856(1989).
-!- FUNCTION: MUSCLE INHIBITING AGENT. INVCLVED IN THE NEURAL CONTROL.
-- FUNCTION: MUSCERAL MUSCLES OF THE HEART, ACCESSORY SLANDS AND OF THE VISCERAL MUSCLAED IN THE REGULATION OF SALIVA SECRETION.
--- TISSUE SPECIFICITY: FOUND IN AXONS OF THE MALE ACCESSORY SLANDS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SchistofiRPamide) in Locusta migratoria and its association with the male accessory glands, the salivary glands, the heart, and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SPECIES=Sigrogatia; TISSUE=Thoracic nervous system.
MEDLINE=8894584; PubMed=2719702;
Robb S., Packman LC., Evans P.D.,
"Isolation, primary structure and biodrivity of a distoficientide,
FMRF-amide-like neuropeptide from the locust, Schrötoberca
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-CCT-1994 (Rel. 30, Created)
01-CCT-1994 (Rel. 30, Last sequence update)
30-VAY-2000 (Rel. 39, Last annotation update)
SchistoFizhFamide (PDVDFFRF-amide) (Cardioexcitatory neuropoptide).
Locusta migratoria (Migratory locust), and
Schistocerca gregaria (Desert locust).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       THE SALIVARY GLANDS, THE HEART, AND THE CVIDULT.
-!- SIMILARITY: BELONGS TO THE FARP (FMAFAMIDE RELATED FEPTIUE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ..
C
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MEDLINBE-9324430; PubMed=7687352;
Schoofs Li, Holman G.M., Paemen L., Veclaert D., Arelinckx M.,
de Loof A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota, Mečazóa, Arthropoda, Hexapoda, Insecta, Pherygota, Neoptera, Orthopteroidea, Orthoptera, Caelifera, Acridomorpha, Acridoidea, Acrididae, Oedipodinae, Locusta.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Isolation, identification, and synthesis of PDVDHFLRFamide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23.5%; Score 16; DB 1; Length 10; 100.0%; Pred. No. Se+03; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                  23.5%; Score 16; DB 1; Length B; 60.0%; Pred. No. 1.3e+35; ative 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10 10 AMIDATION.
10 AA; 1244 MW; D3C51729D2C1EAB2 CRC54;
                                                                                                                                                                     8 8 AA; 989 MW; 927B1AA452CAA042 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Preu. ....
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Peptides 14:409:421(1993).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Neuropeptide; Amidation.
MOD RES 10 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity 100.
188 3; Conservative
                                                                                                                                                                                                                                                                                  3; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PIR; A32543; A32543
                                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                             7 VMDVD 11
                                                                                                                                                                                                                                                                                                                                                      |:||:
; vidvn 5
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FARP_LOCMI
ID FARP_LOCMI
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                                                                                                                                                                                              SECUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SECUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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                                                                                                                                                                                                                                           Query Match
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Ricinformatics and the EMBL outstation the European Bloinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way rodified and this statement is not removed. Usage by and for commercial
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Microbiol. 7:537-544(1993).
PRICTION: MALE IS INVOLVED IN THE HIGH-AFFINITY MALTOSE MEMBRANE TRANSPORT SYSTEM: INITIAL RECEPTOR FOR THE ACTIVE TRANSPORT OF AND CHEMOTAXIS TOWARD MALTOOLIGOSACCHARIDES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SUBCELLULAR LOCATION: Periplasmic.
SIMILARITY: BELCNGS TO THE BACTEPIAL EXTRACELLULAR SOLUTE-BINDING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Holman G.M., Cook B.J., Nachman R.J.; proposation, primary structure and synthesis of leucomyosuppressin, an insect neuropeptide that inhibits spontaneous contractions of the cockroach hindgut.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN=1033-SP14 / KAY2026;
MEDLINE=39211295; PubMed=9459773;
Bachollier S., Perrin D. Hodfung M., Gilson E.;
"Bacterial interspersed mosaic elements (BIMEs) are present in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-0CT-1994 (Rel. 30, Created)
01-0CT-1994 (Rel. 30, Last sequence update)
01-0MAY-2000 (Rel. 39, Last annotation update)
Malcose-binding periplasmic protein (Maltodextrin-binding protein)
(MMSP) (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bacteria; Protechanteria; Gammaprotechacteria; Enterobacteriales.
Enterobacteriaceae; Klebsiella.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMP. Biochem. Physiol. 85C:329-333(1986).
-!- FUNCTION: INH'BITS THE SPONTANEOUS CONTRACTIONS OF COCKROACH PROTODEUM (HINDGUT).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0
                             P21144; P41497;
01-M2V-1991 (Rel. 18, Created)
01-FEB-1994 (Rel. 28, Last annotation update)
28-FEB-2003 (Rel. 41, Last annotation update)
Leucomyosuppressin (LMS) (LeM-MS)
Leucomyosuppressin (LMS) (LeM-MS)
Leucomyosuppressin (Madeira cockroach)
Leucomyosuppressin (Mateira cockroach)
Reparyota; Metazas, Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Orthopteroidea; Dictyoptera; Blaberoidea;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 23.5%; Score 16; DB 1; Length 10; Best Local Similarity 100.0%; Pred. No. 5e+03; Matches 3; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Neuropeptide, Amidation, Pyrrolidone carboxylic acid.
MOD RES 1 1 PYRROLIDONE CARBOXYLIC ACID.
MOD RES 10 10 AMIDATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10 AA; 1275 MW; D3C45229D2C1EAB2 CRC64;
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10 AA
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NON TER
SEQÜENCE
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(See http://www.isb-sib.ch/announce/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota, Metazca, Chordata, Craniata, Vertebrata, Euteleosiomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Mirinae, Rattus.
NCBI_TaxID=10116;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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SIMILARIUM).
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- SUBUNIT: Homodimer (By similarity).

- SUBCRIT: Homodimer (By similarity).

- SUBCRIT: Homodimer (By similarity).

- SIMILARITY: BELONGS TO THE HEAT SHOCK PROTEIN 90 FAMILY.

InterPro; IPRECid04; Hsp90.

PROSITE; FS001387; HSP90; PARTIAL.

Chapurone; ATP-hinding; Heat shocky, Phosph Ayyer's a pholymerome; ATP-hinding; Heat shocky, Edocky, No. 2010.

SIMILARITY: ATP-HINDING HEAT SHOCKY, No. 2010.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 16, DB 1, Length 12, Pred. No. 6e+D3;
                                                                                                                                                                                                                                                                               Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        s Tachis
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                                                                                                                                                                                                                       10 AA; 1159 MW; 8FD9DC4415A6DDDA CRU64;
                                                                                                                                                                                                                                                                            Score 16, DB 1;
Pred. No. 5e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     P82995;
28-FBB-2003 (Rel. 41, Created)
28-FBB-2003 (Rel. 41, Last sequence update)
8-FBB-2003 (Rel. 41, Last annotation update)
Heat shock protein HSP 90-alpha (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0:-DEC 1992 (Re). 24, Created)
01-DEC:1992 (Re). 24, Last sequence updated
16-CCT 2001 (Re). 40, Last annotation update
Germin 352 (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           12 AA
                                                                                                           InterPro, IPR006061; SBP doml.
PROSITE; PS01037; SBP BACTERIAL 1; PARTIAL.
Transport; Sugar transport; Periplasmic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Mismaiches
                                                                                                                                                                                                                                                                                                                                      1; Mismatches
entities requires a license agreement (S or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PR
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42.9%;
                                                                                                                                                                                                                                                                                 23.5%;
                                                                                 EMBL; X68329; CAA48406.1;
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                                                                                                                                                                                                                                                                                                            Best Local Similarity 60.0
Matches 3, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STANDARE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Raffus norvegicus (Rat).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9
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| 1.KDAQ 5
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GER2 HORVU
ID GER2 HORVU
AC P26526;
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SEQÜENCE
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SEÇÜENCE
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                                                                                                                                                                                                                                                                                 Query Match
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PLACE PHYSIOL 97:366-374(1991).

-: FUNCTION: MAY PLAY A ROLLE IN ALITERING THE PROPERTIES OF CELL WALLS DURING GENETHATIVE GROWTH.

-: SCHUNIT: OLIGOMER (BELEVEDT O BE A PENTAMER BUT PROBABLY HEXAMER) (BY SIMILARITY).

-: SCHECELULAR LOCATION: SOLUBLE, MICROSOMAL AND CELL WALL FRACTIONS.

-: STECELULAR LOCATION: SOLUBLE, MICROSOMAL AND CELL WALL FRACTIONS.

-: TISSUE SPECIFICITY: ROLDS AND COLEOPTILE. IN ROOTS, PRESENT IN THE MATURE REGION. BUT NOT IN THE TIP. NOT DETECTED IN LEAVES.

-: INDUCTION: INCREABED BY SALT STRESS IN ROOTS AND DECREASED BY SALT STRESS IN GOLGOPTILE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Foales, Poaceae, Pooldeae,
Triticeae, Hordeum.
NCBI_TaxID=4513;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ..0
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                                                                                                                                                           STRAIN=CV. CM 72; TISSUE=Root;
Hurkman W.J., Tao H.P., Tanaka C.K.;
"Germin-like po-ypeptides increase in barley roots during salt
stress.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cl-XAR-1992 (Rel. 21, Created)
01-MAR-1992 (Rel. 21, Last sequence update)
01-MAR-1992 (Rel. 21, Last annotation update)
03. WAR-1992 (Rel. 21, Last annotation update)
Gastrin/cholecystokinin-like peptide D1.
Nephrops norvegicus (Norway lobster)
Emdaryota; Metazoa; Arthropoda; Crustacoa; Malacostraca;
Emdaryota; Metazida; Decapoda; Ploocyemata; Astacidea;
Nephropoidea; Nephropsiae; Nephrops.
(1)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -i- PTM: GLYCOSYLATED.
-i- SIMILARITY: BELONGS TO THE GERMIN FAMILY.
InterPro. I PR001929; Germin.
PROSITE: PS0725; GERMIN; PARTIAL.
Apoplast; Cell wall; Glycoprotein; Multigene family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13 AA; 1484 XW; 43FB4A1AA3B7B6D7 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9 AA; 1038 MW; 60EC79CAB6D8787B CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23.5%; Score 16; DB 1; 1
50.0%; Pred. No. 6.6e+03;
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4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TISSUE=Stomach;
MEDLINE=92082847; PubMed=1747388;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 23.5 Best Local Similarity 50.0 Matches 2, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity 75.6
es 3; Conservative
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Gaps

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2; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      proteins.";
Biochem. Biophys. Res. Commun. 213:169-174(1995).
-!- CATALYTIC ACTIVITY: GTP + oxaloacetate = GDP - phosphoenolpyruvate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Comp. Biochem. Physiol. 1148:1-9(1996).
-!- FUNCTION: STRONGLY INHIBITS TRYPSIN AND PLASMA ENZYME(S) ACTIVITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Saps
                                                                                                                                                                                                                                                                                                                                                                                                                                      :kalcevic J., Ashman K., Meeusen E.;
"Fasciola hepatica: rapid identification of newly excysted juvenile
                                                                                                                       01.FEB-1996 (Rel. 33, Created)
01.FEB-1996 (Rel. 33, Last sequence update)
01.NOV 1997 (Rel. 35, Last annotation update)
01.AOV 1997 (Rel. 35, Last annotation update)
Putative phosphoenolpyruvate carboxykinase [GTE] #EC 4.1.1.32
(Phosphoenolpyruvate carboxylase) (PEPCK) (Newly excysted juvenile
                                                                                                                                                                                                                                                                  Fasciola hepatica (Liver fluke).
Eukaryota, Metazoa, Platyhelminthes, Trematoda, Digeneu,
Echinostomida, Echinostomata, Fascioloidea, Fasciolidae, Fasciola
NCBI_TaxID=6192,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE=9632[333], PubMed=8759295;
Shishikura F., Abe T., Ohtake S.-T., Tanaka K.,;
"Purification and aracterization of a 58,330 Du proteinase
inhibitor from the hemolymph of a solitary ascidian, Halocynthia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              . .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22.1%; Score 15; DB 1; Length 10; 40.0%; Pred, No. 7.4e+03; ative 2; Misratches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22.1%; Score 15; DB 1; Length 30; 50.0%; Pred: No. 7.40+03.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -!- SUBUNIT: Monomer.
-!- SIMILARITY: BELONGS TO THE SERPIN FAMILY.
InterPro; IPRO00215; Serpin.
PROSITE; PS00284; SERPIN; PARTIAL.
Serpin; Serine procease inhibitor; Glycoprotein; Fleshal NON TER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Halocynthia rozetzi (Sea squirt).
Eukaryota, Metazoa, Chordata, Urochordata, Ascetta 1943
Stolidobranchia, Pyuridae, Halocynthia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10 AA; 1104 MW; 4225C73B1B187AA3 CRC(4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10 AA; 1069 MW; 8393A6187AA9C87A CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31-0cT-1996 (Rel. 34, Created)
61-0cT-1996 (Rel. 34, Last sequence update)
15-DEC-1998 (Rel. 37, Last annotation update)
Setine proteinase inhibitor (Fragrent)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10 A.A.
                                                                             10 AA
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PRCSITE; PS00565; PEFCK GTP; PART:AL.
Lyase; Decarboxyiase; GTP-binding.
10 10 10
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nes 2; Conservative
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                                                                             STANDARD;
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TISSUE=Hemolymph;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6 DGEAV 10
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Q10997;
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                                                                             PPCK FASHE
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SEQUENCE
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                                RESULT 13
PPCK_FASHE
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InterPro; IPRC01998; Xylose isom.
InterPro; IPRC01998; Xylose isom.
PROSITE; PS00172; XYLOSE ISOMERASE_2; PARTIAL.
ISOmerase; Pentose shunt; Xylose metabolism; Metal-binding; Magnesium.
NON_TER 1 5
NON_TER 1 5
NON_TER 1 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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C
                                                                                                                                                                                                                                                                                                                                                                                       Bacteria: Actinobacteria, Actinobacteridae; Actinomycetales;
Streptomycineae; Streptomycetaceae; Streptomyces,
NCBL_TaxID=1915;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Blochem, J. 263:195-199(1989).
-!- CATALYTIC ACTIVITY: D-xylose = D-xylulose.
-!- COFACTOR: Binds 2 magnesium ions per subunit (Potential)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22.1%; Score 15; DB 1; Length 12; 60.0%; Pred. No. 8.9e+03; tive 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           :- SUBUNIT: HOMOTETRAMER.
:- SUBCELLULAR LOCATION: Cytopiasmic.
:- SIMILARITY: BELONGS TO THE XYLOSE ISOMERASE FAMILY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12 AA; 1375 MW; E749268EB1AAAAA1 CRC64;
                                                                                                                                                                                                                               01-JAN-1990 (Rel. 13, Created)
01-JAN-1990 (Rel. 13, Last sequence update)
15-SEP-2003 (Rel 42, Last annotation update)
Xylose isomerase (EC 5.3.1.5) (Fragment)
                                                                                                                                                                                12 AA
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Job time : 10.5 secs
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Best Local Similarity 68.00,
Best Local 3; Conservative
                                                                                                                                                                                                                                                                                                                                                                    Streptomyces violaceoruber.
                                                                                                                                                                                STANDARD;
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Sequences

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09938 beta vulgar
09998 homo sapien
09498 homo sapien
09489 homo sapien
094493 eopsaltria
094493 eopsaltria
094452 triticum ae
09552 cicer ariet
09578 hordeum vul
09977 mus sp. pro
039784 discryosteli
039784 mus sp. pro
039784 mus sp. pro
                                                                                                                                                         Q9ugs1 homo sapten
P83127 bos indicus
Q8wy56 homo sapten
Q9s8n1 hordeum vul
Q15897 homo sapten
Q9et18 mus spretus
Q932u8 acinetobact
Q52112 acinetobact
Q8gmt acinetobact
Q8gmt8 acinetobact
Q8gml2 acinetobact
                                                                                                                                                                                                                   Q9et16 mesocricetu
Q50832 methanococc
P72149 pseudomonas
                                                                                                                                                                                                             carcli
                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A.

Gorski K., Huang X., Tseng S.-Y., Rattis F., Pardoll D., Tsuchiya H.;
"Dendritic cell regilation of DCL1 mRNA expression.";
"Submitted (OCT-1399) to the EMBL/GenBank/DDBJ databases.
EMBL; AF192526; AAF04843.1;
"MGD; MGI:2136650; Dcl1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                      Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi;
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
NCBI_TaxID=10090;
                                                                                                                                                                                                             Q9et17 mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       36.8%; Score 25; DB 11; Length 9; 66.7%; Pred. No. 8.3e+05; tive i; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                             090ZA8;
01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9 AA; 994 MW; 342161AB172EBAB7 CRC64;
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Last sequence update)
                                                                                                                                                                                                                                                                                                     9 AA.
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                                        Q9S938
Q9UPE8
O19690
Q94RE2
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Q6L7F5
P82938
Q9QVE7
Q23876
Q39784
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        052112
08GMV1
08GMT8
08GML2
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Q8WY56
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                        2204
                                                                Q89243;
C1-NCV-1996 (TrEMBLrel. 01,
C1-NCV-1996 (TrEMBLrel. 01,
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 Mus musculus (Mouse)
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Best Local Similarity
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Matches
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Q89243
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090ZA8
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C91pt5 zea mays (m
C91pt7 zea mays (m
C91pt6 zea mays (m
C9pxb5 duck hepati
O9txx0 sus scrofa
C29831 homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Q9qza8 mus musculu
Q89243 woodchuck h
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          P97755 rattus norv
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P83128 bos indicus
Q90waz gallus gall
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ogntr7 homo sapien
Ogtwr4 tityus serr
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                                                      2003, 17:59:29 ; Search time 27.5 Seconds (without alignments) 121:989 Million cell updates/sec
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       GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd
                                                                                                                                                                 Total number of hits satisfying chosen parameters:
                                                                                                                                                 830525 seqs, 258052604 residues
                                        OM protein - protein search, using sw model
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Q9NTR7
Q9TWR4
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P83128
Q9CWA2
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Q96P97
Q8LPT7
Q8LPT7
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sp. bacreria:*
sp. fungl:*
sp. human:*
sp. invertebrate:*
sp. mammal:*
sp. mammal:*
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sp_vertebrate:*
sp_unclassified:*
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sp_rodent:*
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Match Length DB
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Maximum DB seg length: 13
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Best Local Similarity 42.5.
Faq 3; Conservative
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Best Local Similarity
Matches 3; Conserv
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SEQ'JENCE
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Q8LPT7
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                                                                                                                                        STRAIN=W64;
MEDLINE=87219879; PubMed=3582979;
Etiemble J., Moroy T., Trepo C., Tlollais F., Buc.dra M.A.;
"Nucleotide sequence of the woodchuck hepatitis viis surface antigen
                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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Eukaryota: Viridiplantae: Streptophyta; Embryophyta; Tiachecphyta;

Eukaryota: Viridiplantae; Streptophyta; Embryophyta;

Eukaryota: Mindiplantae; Streptophyta; Embryophyta;

Paginal chape; Panicoideae; Andropogoneae; Zea.

NCRI Taxil: 4577;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Eutoleosi mir
Mammalia, Eutheria, Primates, Catarrhini, Hominidie, Homo.
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ن،
                                                                                                                                                                                                                       mRNAs and the variability of three overlappin; vital genes.",
Gene 500:207-214(1986).
              Core protein (Fragment).
Woodchuck hepatitis B virus.
Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
                                                                                                                                                                                                                                                                                                                                                                                     29.4%; Score 20; DB 12; bungth 12; 75.0%; Pred. No. 6.9e+03; ive 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 19, 05 4, Decyth 9, Pred. No. 5.36+05; 1, Mismatches 1, Indexs
                                                                                                                                                                                                                                                              01 DEC-2001 (TrEMBLrel. 19, Creared)
01 DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
ReptinS2 protein (Fragment).
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Last annotation update:
  01-OCT-2001 (TrEMBLrel. 18, Last annotation update)
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Calprs,
Ol-CCT-2002 (TremBlrel, 22, Created)
Ol-CCT-2002 (TremBlrel, 22, Last sequ
Ol-CCT-2002 (TremBlrel, 22, Last anno
Beta-expansin-like protein (Fragment)
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NON TER
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60.0%;
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Best Local Similarity 75.v.
Best Local 3; Conservative

    Conservative

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Bost Local Similarity
                                                                                                                     SEQUENCE FROM N.A.
                                                                            NCBI TaxID=35269;
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Q96297
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Ching A.S., Caldwell K.S., Jung M., Dolan M., Smith O.S., Tingey S., Morgante M., Rafalski J.A.;
Morgante M., Rafalski J.A.;
"SNP frequency, haplotypes structure and linkage disequilibrium in elite maize inbred lines.";
Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.

Endl., AY094308; AAM21834.1;
Gaps
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Ching A.S., Caldwell K.S., Jung M., Dolan M., Smith O.S., Tingey S.,
Morgante M., Rafalski J.A.;
"SNP frequency, naplotype structure and linkage disequilibrium in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Zea mays (Maize).

Eukaryota, Viridiplantae, Streptophyta, Embryophyta; Tracheophyta;

Eukaryota, Viridiplantae, Streptophyta; Embryophyta; Tracheophyta;

Popermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;

PACCAD clade; Pantooideae; Andropogoneae; Zea.
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Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae,
PACCAD ciade, Panicoideae, Andropogoneae, Zea.
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Pred, No. 8 46+03;
3; Mismatches 1; Indels
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Last annotation update)
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01-CCT-2002 (TrEMBLrel. 22, Last sequence update)
01-CCT-2002 (TrEMBLrel. 22, Last annotation update)
                                                                                                                                                                                                                                   SEQUENCE 9 AA; 977 MW; SCC5B2D2CB1AAAA3 CRC64;
                                                                                                                                                                                                                                                                                  Score 19; DB 10;
Pred. No. 8.3e+05;
3; Mismatches 1.
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MEDINE=83169718; PubMed=6403940; Das H.K., Wing Gabain A., Lawarnce P.M., Cohen S.N., Erlich H.A., von Gabain A., Lawarnce S.K., Lemaux P.G., McDevitt H.O., Peterlin B.M., Schulz M.F., Sood A.K., Weissman S.M.; McDevitt H.O., Peterlin B.M., Schulz M.F., Sood A.K., Weissman S.M.; McDevitt H.O., Peterlin B.M., Schulz M.F., "Use of synthetic oligonucleotide probes complementary to genes for human HLA-DR alpha and beta as extension primers for the isolation of 5' specific clones.", Proc. Natl. Acad. Sci. U.S.A. 80:1531-1535(1983). EMB., VO3555; CAA23784.1; S.E.EME., VO3555; CAE3784.1; S.E.EME., VO3555; CAE3784.1; S.E.EME., VO3555; C
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01-MAY-1999 (TrEMBLeel, 10, Last annotation update)
Secretogramin II (SDII) (Fragment).
Rattus norvegicus (Rat).
Eukaryota: Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Marmalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
                                                                                                                                                                                                                                                                                  01-NOV-1996 (TrEMBirel. C1, Created)
01-NOV-1996 (TREMBirel. C1, Last sequence update)
01-DC-2001 (TrEMBirel.) Last annotation update)
Gene fragment encoding human histocompatibility antigen HLA-DR alpha
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MEDLINE=96343805; PubMed=8756552;
Jones L.C., Day R.N., Pittler S.J., Valentine D.L., Scammell J.G.;
Jones perfection of the rat secretogranin II promoter.";
Endocrinology 137:3815-3822 (1996).
EMBL: AF107301; -; NOT_ANNOTATED_CDS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26.5%; Score 10; DB 7; Length 11; 37.5%; Pred. No. 1.40+04; Live 2; Mismatches 3; Indels
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Best Local Similarity 37.5
Matches 3; Conservative
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1 GLLTGLDLL
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Matches 3; Conserv
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Q9NTR7
ID Q9NTR
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S region and occurs during viral infection.";
J. Virol. 69:7106-7112(1995).
SEQUENCE 13 AA; 1397 MW; DG478FE0148CD772 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE.
MEDLINE=91316123; PubMed=1859829;
Sono H., Sonoda Y., Sato Y.;
"Purification and characterization of cytochrome i 450140M (lanostero).
                                                                                                                                                                                                                                                                                     Gaps
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01-MAY-2000 (TriemBirel, 13, Last Sequence update)
01-UIN-2002 (TriemBirel, 11, Last Annotation update)
Lanosterol 14 alpha-demethylase, cytochrome P 450110M (Fragment).
Sus scrofa (Pig).
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Mammalia, Eutheria, Cetartiodactyla, Suina, Suidar, Sus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tong S., i. J.J., Wands J.R.; "Interaction between duck hepatitis B virus and a 170-Kilodalton
                                                                                                                                                                                                                                                                                         0
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01-MAY-2000 (TESMBLrel. 13, Last sequence update)
01-CNN-2000 (TESMBLrel. 14, Last annotation update)
01-CNN-2000 (TESMBLrel. 13, Last Bartell. 1
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50.0%; Pred. No. 1.1e+04;
Live 3; Mismatches 6; Indels
                                                                                                                                                                                                                Score 19; DB 10; Length 12;
Pred. No. 1e+64;
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                                                                                                                                                                                                                                                                                     1; indels
elite-maize inbred lines.";
Submitted (APR-2002) to the EMBL/GenBank/JDBJ databases.
EMBL; AY094309; AAM21835.1; -.
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                                                                                                                                              5C55EDBD451AAAA3 CRC64;
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Biochim, Biophys. Acta 1078:388-394(1991).
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SEQUENCE.
MEDLINE=96013813; PubMed=7474130;
                                                                                                                                                                                                            27.9%;
                                                                                                                                              12 AA; 1260 MW;
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SEQUENCE
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Q9PXBS;
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TISSUE=Placenta;
Sousa N.M., Remy B., El Amiri B., Figueiredo J.R., Beckers J.F.;
"Characterization of pregnancy-associated glycoproteins extracted from zebu (Bos indicus) placentas removed at different gestational periods.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Simian sarcoma virus transformation of normal rat kidney fibroblasts is associated with markedly increased basic fibroblast growth factor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
NCBI_TaxiD=10116;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bos indicus (Zebu).
Rekaryotas, Metazoos, Chordata, Craniata, Vertebrata, Euteleostomi;
Mammalia, Eutheria, Cetartiodactyla, Ruminantia, Pecora, Bovoidea,
Bovidae, Bovinae, Bos.
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                                                                                                                                                                 Query Match 25.0%; Score 17; DB 4; Length 8; Best Local Similarity 100.0%; Pred. No. 9.38+05; Matches 3; Conservative 0; Mismatches 0; Indels
exon 4 through 7.";
Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
EMBL; AB340872; BAA94112.;
NON_TER 1
NON_TER 8
SEÇJENCE 8 AA; 866 MW; 1C16987AAB05BD33 CRC64;
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C1-JUN-2002 (TrEMBLrel. 21, Created)
01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
Pregnancy-associated glycoprotein (Fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Las: sequence update)
01-07N-2002 (TrEMBLrel. 21, Last annotation update)
18 kDa cell growth factor (Fragment)
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NON TER 8 8
SECTENCE 8 AA, 907 MW, B0787AABG7673AFA CRC64;
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MEDLINE=92028975; PubMed=1656977;
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Best Local Similarity
Matches 3, Conserv
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NCN TER
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090V15;
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P83128
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Shibata M., Shima M., Morichika S., Yoshiola A.,
"Huran clotting factor VIII gene, junction terror, '' the benefich of
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Tityus serrulatus (Brazillan scorpton).
Eukaryota: Metazoa, Arthropoda, Chelicerata, Aradinida, Scorptones,
Buthoidea, Buthidae, Tityus.
                                                                                                                                                                   Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleustomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
NGSI_TaxID=9606;
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61-0CT-2000 (TrEMBLrel. 15, Last sequence update)
91 0CT-2000 (TrEMBLrel. 15, Last annotation update)
Clotting factor VIII (Fragment).
Horo sapiens (Human).
Eukaryota, Merazoa (Chordata, Craniata, Verrebiato, Eurelessiomn)
Mammalia, Eutheria, Primates, Cataribini, Horismon, Horos
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Perietra L.A., Alves E.W., Henriques O.B.; "Peptide T, a novel bradykinin potentiator isolated them Tityus seriviatus scopion venom."; Poxicon 31:941-947 (1993). SEQUENCE 13:AA: 1604 MW; PARTORPHEGENTAL PORG.
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01 MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-MAY-2000 (TrEMBLrel. 13, Last annotation update.
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33.3%; Pred. No. 1 here
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3; Mismatches
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MEDITINE=94024945; PubMed=8212046;
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Best Local Similarity 60,00.
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Matches 3, Conservative
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                                                                                                                                                Homo sapiens (Human)
                                                                                                                                                                                                                                                             SEQUENCE FROM N.A. Dunn M.;
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25.0%;	30.08;	ative
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Query Match 25.0%; Score 17; DB 6; Length 11;	Best Local	Matches 3; Conservative

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Search completed: November 5, 2003, 18:03:38 Job time : 29:5 secs

Human IgE immunoge Pl mimotope peptid Peptide Pi5t deriv Human IgE immunoge Human IgE cyclic Immunoglobulin E e IgE C-epsilon-2 do

> ABC00541 AAB20867 AAB25907

Pl mimotope peptid Peptide Plss deriv Human 1gE immunoge Human immunoglobul Immunoglobulin E ( Human 1gE C-epsilo Peptide ESBI/6etc

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AAU16648 ABJ00227 AAE35062 AAB26010

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AAB51023 ABJ00217

Peptide Pl derived IgE peptide #1. M Human immunoglobul Pl mimotope (PTmAb Human IgE C-epsilo Peptide #15 derive Peptide EED147/173

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AAU16735 ABJ00265 AAW84026 AAE35101 AAB25949 AAB26040 Human IgE cyclic i Human IgE cyclic i Human immunoglobul

> ABJ00386 AAE35082 AAG84444

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AAE1448

ABJ12821 AAB71434

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AAU16674 AAU16765

ABJ00337

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ALIGNMENTS

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Key
Modified-site
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25-FEB-1999;
25-FEB-1999;
13-AUG-1999;
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AAB20872;
                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 1
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Antiallergy peptid Pl mimotope peptid Peptide Pls derive IgE peptide #6. M Human IgE immunoge Pl mimotope peptid Human IgE cyclic i Pl mimotope peptid
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Compugen Ltd.
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        version 5
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Listing first 45 summaries
                                              sw model
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AAB25914
AAU16639
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ABC00312
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Gapop 10.0 , Gapext 0.5
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RESULT 1
AAB120872
ID AAB120872 standard; peptide; 13 AA.
XX
AC AAB120872;
XX
DT 03-CAN-2001 (first entry)
XX
DE Antiallergy peptide mimotope sequence SEQ ID NO:10.
XX
DT minunoglobulin E; IgE; immunogenic; immunogen; protein D; carrier;
XM Immunoglobulin E; IgE; immunogenic; immunogen; protein D; carrier;
XM Immunoglobulin E; IgE; immunogenic; immunogen; protein D; carrier;
XM malaria: cytostatic; antiallergy; nocropic; neuroprotective;
XX
NY
NY
NOTOTOZOACIDE; Alzheimer's disease; allergy.
XX
NY
NOTOTOZOACIDE; Alzheimer's disease; allergy.
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NOTOTOZOACIDE; Alzheimer's disease; allergy.
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WC200145745-A2.
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                                         Randall R,
                                                                                                                                                                                                                                                                                                                                                      invention.
                                                                                                                                                                                                                                                                                                                                                                           Sequence
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                               Dyson M.
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                                                                                                                            The present invention describes an immunogen (1) comprising a peptide or its fragment. Also described are: (1) a vaccine comprising influenzae or its fragment. Also described are: (1) a vaccine comprising (i) and an excipient; (2) preparation of (1), comprising comprising a peptide to protein D or its fragment; and (3) preparation of a vaccine of (1), comprising formulating (1) with an excipient. (1) has cyrostatic, antialiergic, noctropic, neuroprotective and protozoacha activities. (1) and the vaccine are useful for the manufacture of a medicament for preventing and treating infectious diseases such as malaria or chronic disease such as cancer, Alzheimer's disease or allergy in a patient. Unlike prior art immunogens, (1) induces high levels of antipeptide carrier. The present sequence represents a specifically claimed minimize peptide sequence, which can be used in an immunogen of the
                                                             Immunogens and vactine comprising the immunogen useful for preventing and treating infectious diseases e.g. malaria and chionic disease e.g. cancer, comprises peptide and carrier from protein E of influenzae.
                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Epitope, mimorope, human, immunoslobulor B. Des. Presidor & domain;
allergic disease, immunoprophylaxis, immunoslare ey, antialistory
immunosuppressive, vaccine, histamine release infinitor, immunogen;
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                    Van-Mechelen MP, Verriest C;
(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS
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                                                                                                          Claim 10; Page 38; 53pp; English
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99GB-0007151.
99GB-0010537.
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99GB-0018603.
99GB-0021046.
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99GB-0025619
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                                          WPI; 2000-572040/53
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ses 13, Conserv
                    Coste M, Lobet Y,
                                                                                                                                                                                                                                                                                                          13 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             allergy; atopy
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67 - MAY - 1999
67 - AUG - 1999
67 - SEP - 1999
69 - SEP - 1999
29 - C(T - 1999
23 - MYY - 1899
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29-MAR-1999;
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The present invention describes a peptide (I) comprising an isolated surface exposed group/epitope (EI) of C-epsilon-2 domain (D) of immunoglobulin E (192), or life mimotope. Also described are: (1) an immunoglobulin E (192), or life mimotopen. Also described are: (1) an immunoglobulin E (193), or life mimotopen (II); (2) a vaccine (III) for treating allergies comprising (II); (3) a ligand (IV) capable of recognising (IV); (1) a peptide (Ia) capable of being recognised by (IV); (6) an immunogen (IIa) comprising (Ia) and (7) producing (III) by producing (II). (1) can have antiallergic and immunosuppressive activities, and can be used as a vaccine and histamine release inhibitor. (I), (II) and (III) are useful in medicine and in the manufacture of medicaments for treating and preventing alisergies. (IV) is useful for identifying mimotopes of PI, in medicine and also in manufacture (IC) in dentifying mimotopes of PI, in medicine and also in manufacture for indentifying mimotopes of PI, in medicine and also in manufacture (IV) is dentifying mimotopes of PI, in medicine and also in manufacture (IV) is definity purification allergies. (I) is useful in diagnosing acopy. ABASS907 to ABASE099 represent the sequences which are used in the exemplification of the present
                                                                                                                                                                                                                                                                                                               Peptides useful for treating, preventing and ameliorating allergic diseases, comprising an isolated surface exposed group of a specific domain from immunoglobulin \mathbb E
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                                                                                                                  enwood J, Hewitt E, Lamont A, Mason S Var Mechelen MP, Vinals De Bassols YC;
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100.0%; Pred. No. 0.00013;
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(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS. (PEPT.) PEPTIDE THERAPEUTICS LTD.
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                                                                                                                      Greenwood J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 14; Page 9; 129pp; English.
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22-FEB-2000; 200008-0004096.
22-AUG-2000; 200008-0020707.
21 AUG-2000; 200008-0020708.
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, Turnell WG,
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nes 13; Conserv
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The present invention relates to conjugates suitable for use in vaccines, where the conjugate comprises a disulphide bridge cyclised peptide and an immunogenic carrier. The vaccines can be used in the treatment of allergies. The present sequence is a peptide immunogen derived from human immunoglobulin E (IgE) suitable to be cyclised and used in the invention.
                         The present invention relates to a composition comprising allergy peptides linked by an inext carrier. The allergy peptides are derived from Immunoglobulin E (1gE) or IgE receptor. The present peptide is one such peptide from IgE. The composition is useful as a vaccine or for manufacturing a medicament for the prophylaxis or treatment of allergy. In particular, for boosting an anti-allergy immune response in an individual susceptible to an allergic response.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Immunogen; human; IgE; immunoglobulin E; allergy; thio-ether linkage;
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                                                                                                                                                                                                                                                                                                                        Indels
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                                                                                                                                                                                                                                                                     Score 68; DB 22;
Pred. No. 0.00013;
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Best Local Similarity 100.v.
-hes 13; Conservative
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                                                                                                                                                                                                                                                                                                      Conjugation of compounds (e.g. peptides) to carrier vehicles

(e.g. macromolecules, polymers, dendrimers, proteins) to produce

biological and immunological constructs. The invention provides a

method for inking an epitope (e.g. a peptide) to a carrier (e.g. a protein) for use in a pharmaceutical composition or a vaccine. The invention describes peptides derived from or minotopes of the invention describes peptides derived from or minotopes of the Cepsilon3 or Cepsilon4 regions of fuman immunoglobulin E (igE) which are used to produce conjugated compounds. The compounds or compositions of the invention are useful in the manifacture of a medicament for the treatment of igE mediated diseases. The invention allows for controlled conjugation of a peptide epitope (antigen) to a protein so as to form an immunogenic conjugate which may be able to rulse a protective antibody response in an animal or human patient.

AAU16622-AAU16613 represent peptides derived from or mimotopes of the Cepsilon3/Cepsilon4 region of human 1gE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
                                                                                                                                                                      an immunogenic conjugate useful treatment of IgE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New vaccine comprising allergy peptides linked by an insit carrier, useful for boosting an anti-allergy immune response in an individual
                                                                                                                                                                                                                                                                                         The present invention relates to linkage methodology for use in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 68; DB 22; Length 13; 100.0%; Pred. No. 0.60013; ive 0; Mismatches 0; indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Vaccine, immenoglobulin E, igE, anti-alleriy.
ACAMBIS RES LTD.
SMITHKLINE BEECHAM BIOLOGICALS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SMIK ) SMITHKLINE BEECHAM BIOLOGICALS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              susceptible to an allergic response
                                                                                                                                                                                                                                            Example 4; Page 21; 48pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AABS:028 standard; Peptide; 13 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 5; Page 20; 26pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06 JUN-2000; 2000WO-EP05164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99GB-0013327
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 CLEDGOVMDVDLL 13
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Best Local Similarity 100.
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 CLEPGÇVMDVDLL 13
                                                                                                                                                                 A linkage comprising mediated diseases
                                                                      Flinn N, Johnson T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-391150/10.
                                                                                                                      WPI; 2001-521967/57
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IgE peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-DEC-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB51028;
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(ACM-)
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110 AAB5
20 AA 6
20 AA 6
21 - Y
21 - Y
22 AA 6
23 AA 6
24 AA 6
25 AA 6
26 AA 6
27 AA 6
28 AA 
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Gaps

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1 CLEDGOVMDVJL 12

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The present involution describes a periode. The control is soluted a surface exposed group/epitope (H) of C epitose in the D of immosphobuling C (186), or its mimotope (A) the control in the control of the control of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Peptides useful for treating, preventing and ameliocating allergic diseases, comprising an isolated surface exposed arrup of a specific domain from immunoglobulin {\bf E} -
                                                                                                                                                                                                                                                                                                                                                    Epitope, mimotope, human, immimoglobulin 8, 198, C-epsilon 2 domain;
allergic disease, immunoprophylaxis, immimotheraty, antiallergic,
imminosuppressive, vaccine, histamine release inhibitor, immimogen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A, Mason S
Bassola YC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                94.1%; Score 64; DR 21; Legith 15; 100.0%; Pred. No. 0.00059; Pred. No. 0.00059; ive. 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    E, Lamber
Vinals De
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Friede M, Greenwood J, Hewitt
, Turnell WG, Van Mechelen MP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SMIK.) SMITHKLINE BEECHAM BIOLOGICALS (PEPT-) REPTIDE THERAPEUTICS LTD.
                                                                                                                                                                                                                                                                             Pl mimotope peptide P15q SEQ ID NO:11
                                     AAB25917 standard; Peptide; 13 AA
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99GB-C021047.
99GB-0025619.
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99GB-C007151.
99GB-C010537.
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                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200050460-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  allergy; atopy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Home sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         25 · FEB-1999 / 29 · XAR-1399 / 67 · XAY-1999 / 67 · XAY-1999 / 67 · XAX 1999 / 67 · AUG-1999 / 67 · SEP-1999 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07 SEP-1999;
07 SEP-1999;
29-CCT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEB-2000;
                                                                                                                                                                                                 05-JAN 2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31-AUG-2000.
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                                                                                                                 AAR25917;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Seguence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Dysen M,
AAB25917
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Salis

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Conservative

Local Similarity tes 12, Conserva

Best Inda Matches

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A linkage comprising an immunogenic conjugate useful treatment of :qE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                      Peptide P15q derived as mimotope of Cepsilon2 region of human igE
                                                                                                                                                                                                Human, linkage technology, conjugated compound; carrier vehicle; epitope; Cepsilon2; Cepsilon3; Cepsilon4; immunoglobulin E; IgE mediated disease; antibody response.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .
O
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the Cepsilon2/Cepsilon3/Cepsilon4 region of human IgE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 64; DB 22; I
Pred. No. 0.00059;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SMIK ) SMITHKLINE BEECHAM BIOLOGICALS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 4; Page 21; 48pp; English.
                                                                                  AAU16642 standard; Peptide; 13 AA.
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                                                                                                                                                                                                                                                                                                                                                                21-DEC-2000; 2000WO-GBC4935
                                                                                                                                                                                                                                                                                                                                                                                             99GB-0030233
                                                                                                                                                                                                                                                                                                                                                                                                        2000GB-0004096
2000GB-0020707
                                                                                                                                                                                                                                                                                                                                                                                                                                      22-AUG-2000; 2000GB-0020708
                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 100.
Matches 12; Conservative
1 CLEDGOVMOVDI 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Johnson T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACAM - ) ACAMBIS RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-521967/57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     mediated diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13 AA;
                                                                                                                                                                                                                                                                                                       WC200145745-A2
                                                                                                                                                                                                                                                                                                                                                                                                         22-FEB-2000;
22-AUG-2000;
                                                                                                                                           07-NOV-2001
                                                                                                                                                                                                                                                              sapiens
                                                                                                                                                                                                                                                                                                                                                                                             21-DEC-1999;
                                                                                                                                                                                                                                                                                                                                   28-JUN-2001.
                                                                                                                                                                                                                                                              Homo sapie:
Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                              AAU16642;
                                                       RESULT 7
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22-FEB-2000;
                                                                  07-AUG-1999;
07-SEP-1999;
07-SEP-1999;
                    25-FEB-1999;
29-MAR-1999;
07-MAY-1999;
                                               C7-MAY-1999;
C7-AUG-1999;
                                                                                                29-CCT-1999;
23-NCV-1999;
                                                                                                                                                                    Randall R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
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                                                                                                                                                         Dyson M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 10
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                                                                                                                                                                                                                                                                                                                                             The present invention relates to conjugates suitable for use in vaccines, where the conjugate comprises a disulphide bridge cyclised poptide and an immunogenic carrier. The vaccines can be used in the treatment of
                                                                                                                                                                                                                                                                                                                                                                          allergies. The present sequence is a cyclic poptide immunogen derived from human immunoglobulin E (IgE) suitable for use in the invention.
                                                                                                Immunogen, human, igE, immunoglobulin E, allergy, thio-ether linkage,
                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Epitope, mimotope, human, immunoglobulin E, 19E, Cepsilon 2 domain, allergic disease, immunoprophylaxis, immunotherapy, antiallergic, immunosuppressive, vaccine, histamine release inhibitor, immunogen,
                                                                                                                                                                                                                                                                                               Conjugate for use in vaccine for treatment of allergy, comprises
                                                                                                                                                                                                                                                                                                                                                                                                                                              .
C
                                                                                                                                                                                                                                                                                                                                                                                                                       94.1%; Score 64; DB 23; Length 13; 100.0%; Pred, No. 0.00059; Live C; Mismatches C; Indels
                                                                                                                                                                                                                                                                                                      disulfide bridge cyclized peptide and immunogenic carrier
                                                                                                                                                                                                                                                        Vinals Bassols YC;
                                                                            Human IgE cyclic immunogenic peptide SEQ ID NO: 96
                                                                                                                                                                                                                            (SMIK ) SMITHKLINE BEECHAM BIOLOGICALS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          mimotope peptide P15p SEQ ID NO:10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB25916 standard; Peptide; 13 AA.
                     ABJ00312 standard; Peptide; 13 AA
                                                                                                                                                                                                                                                        Friede M, Mason S, Turnell WG,
                                                                                                                                                                                                                                                                                                                                                                                                                         94.1%,
106.0%; Pre
C;
                                                                                                                                                                                                                                     (PEPT-) PEPTIDE THERAPEUTICS LTD
                                                                                                                                                                                                                                                                                                                           Claim 4; Page 11; 45pp; English.
                                                                                                           vaccine; antiallergic; cyclic
                                                                                                                                                                                     17-AUG-2001; 2001WO-EP09576.
                                                                                                                                                                                                        22-AUG-2000; 2000GB-0020717.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-JAN-2001 (first entry)
                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 CLEDGQVMDVDL 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CLEDGOVMDVDL 12
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                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 12, Conserv
                                                                                                                                                                                                                                                                                                                                                                                                        13 AA;
                                                                                                                                                WO200216409-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WC200050460 A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           allergy; atopy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                              Homo sapiens
                                                          02-SEP-2002
                                                                                                                                                                   28-FEB-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    31-AUG-2000
                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                      ABJ00312;
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RESULT 8.
ABJ00312
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surface exposed group/epitope [1]) of C-epilon-2 domain [3] of immunoglobulin E [19B], or its mimotope. Also described are: (1) an immunoglobulin E [19B], or its mimotope. Also described are: (1) an immunoglobulin E [19B], or its mimotope. Also described are: (1) an immunogen [1]; (1) a ligand [1]) (2) a vaccine [11]) for treating allergies comprising [1]; (1) a ligand [1]) (1) comprising [1] (1) [1] and [1]) [2] comprising [1] (2) comprising [1] (3) a ligand [4]); and (7) producing [1] (4); (6) an immunogen [1] (1] comprising [1] (1] by producing [1]. (1] and [1]) are a vaccine and histamine release inhibitor. (1), (11) and (111) are a vaccine and histamine release inhibitor. (1), (11] and (111) are and preventing allergies. (1V) is useful for identifying mimotopes of Pl, in medicine and also in manufacturing medicaments for treating and preventing anti-19E antibodies from blood. (1), (11] and PC are consequences [1] in diagnosing atopy. AAB25907 to AAB26099 represent in medicine which are used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Peptides useful for treating, preventing and ameliorating allergic diseases, comprising an isolated surface exposed group of a specific domain from immunoglobulin E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention describes a peptide (I) comprising an isolated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Peptide P15p derived as mimotope of Cepsilon2 region of human IgE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         enwood J, Hewitt E, Lamont A, Mason S
Van Mechelen MP, Vinals De Bassols YC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human, linkage technology; conjugated compound; carrier vehicle; epitope; Cepsilon2; Cepsilon3; Cepsilon4; immunoglobulin E; IgE mediated disease; antibody response.
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                                                                                                                                                                                                                                                                                                                                                                                               (SMIK ) SMITHKLINE BEECHAM BIOLOGICALS. (PEPT-) PEPTIDE THERAPEUTICS LTD.
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                                                   99GB-0004405.
99GB-0007151.
99GB-0010537.
99GB-0010538.
                                                                                                                                                                                                      99GB-0018603.
99GB-0021046.
99GB-0021047.
99GB-0025619.
2000WO-EP01455
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WPI; 2500-572071/53
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29-MAR-1999;
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29-OCT-1999,
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                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                AAB25929;
                                                                                                                                                                                                                                                     Query Match
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                                                                                                                                                                                                                                                                                                                                                                                               The present invention relates to linkage methodology for use in the conjugation of compounds (e.g. poptides) to carrier vehicles

(e.g. macromolecules, polymers, dendrimens, proteins) to produce the conjugation of constructs. The invention provides a retiod for linking an epitope (e.g. a peptide) to a carrier (e.g. a product for use in a pharmaceutical composition or a vaccine. The invention describes peptides desired form or a vaccine. The convection describes peptides desired for memorage of the formation describes peptides desired for memorage of the formation or compositions of the invention are useful in the manufacture of a medicament for the invention are useful in the manufacture of a medicament for the treatment of USF Fediated diseases. The intention allows for controlled conjugation of a peptide epitope (antigen) to a protein so as to form an immunogenic conjugate which may be able to traite a protective antibody response in an unifall or human patient.

Anile32-AA316911 represent peptides desired from or mirrotopes of the Cepsilon2/Gepsilon3/Cepsilon4 region of human case.
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                                                                                                                                                                                                                    A linkage comprising an immunogenic conjugate useful treatment of igE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Immunogen; human; IgE; immunoglobulin E; alleidy; thio-ether linkage;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Saps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     80.9%; Score 55; CB 22; Genth 13;
100.0%; Pred, No. 0.718;
1ve 0; Mismitches 3; Cabea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human IgE immunogenic peptide SEQ ID NO: 10
                                                                                                                                          (ACAM-) ACAMBIS RES LID.
(SMIK ) SMITHKLINE BEECHAM BICLOSCALS.
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100.0%; Pr
                                                                                   21.FEC-1999, 9968-030233.
22-FEB-2000, 2000GB-0604096.
22-AUG-2000, 2060GB-0620707.
22-AUG-2000, 2000GB-0620708.
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                                                                21-REC 2000/ 2000WC GB04935
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Best Local Similarity 100.
Matches II; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           vaccine; antiallergic.
                                                                                                                                                                           Firm M, Johnson T,
                                                                                                                                                                                                WPI: 2001-521967/57
                                                                                                                                                                                                                                 rediated diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 13 AA;
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                    WC200145745-A2
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                                           28 JUN-2001
 Synthetic
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The present invention relates to conjugates suitable for use in vaccines, where the conjugate complises a disulphide bridge cyclised peptide and an ammunogenic carrier. The vaccines can be used in the treatment of allergies. The present sequence is a peptide immunogen derived from immunoglobulin E (1gE) suitable to be cyclised and used in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                        Conjugate for use in vaccine for treatment of allergy, comprises disulfide bridge cyclized peptide and immunogenic carrier
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Friede M, Greenwood J, Hewitt E, Lamont A, Mason S, Turnell WG, Van Mechelen MP, Vinals De Bassols YC;
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100.0%; Pred. No. 0.018;
ive 0; Mismatches 0; Indels
                                                                                                                                                  Vinals Bassols YC,
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                                                         (SMIK.) SMITHKLINE BEECHAM BIOLOGICALS. (PEPT.) PEPTIDE THERAPEUTICS LTD.
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                                                                                                                                                  Turnell WG,
                                                                                                                                                                                                                                                                                                                                                                 Claim 4: Page 9: 45pp; English.
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99GB-0021047.
99GB-0025619.
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99GB-0018603
22-AUG-2000; 2000GB-0020717
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99GB-C007151
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A linkage comprising an immunogenic conjugate useful treatment of 1gE

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The present invention describes a peptide (I) compilising an isolated surface exposed group/epitope (E) of C-epsilon-2 domain (D) of imminoglobuline E(BE), or its minotope. Also described are: (1) an imminoglobuline E(BE), or its minotope. Also described are: (1) an imminogen (II) for treating allergies comprising (II); (3) a ligand (IV) capable of for treating allergies comprising (II); (3) a ligand (IV) capable of recognising (IV); (5) a peptide (Ia) capable of being recognised by (IV); (6) an imminogen (II) a peptide (Ia); and (7) producing (III) by producing (IV); (6) an imminogen (III) and ver antiallergies and in the manufacture of medicines and can be used as a vaccine and histamine release inhibitor. (I): (II) and can be used and preventing allergies. (IV) is useful for identifying minotopes of PI, in medicine and also in manufacturing medicaments for treating allergies. (IV) is useful in diagnostics and in the affinity purification of circulating anti-IgE antibodies from blood. (I): (III) and PC are cuseful for treating a patient susceptible to or suffering from allergies. (IV) is also useful in diagnosting atopy. AAMS5007 to AABS6099 represent
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               Fuptides useful for treating, preventing and ameliorating allergic diseases, comprising an isolated surface exposed group of a specific domain from immunoglobulin E -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Peptide Pist derived as mimotope of Gepsilon, responded human 1985
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   75.0%; Score 51; DB 21; Length 10; 100.0%; Pred. No. 0.061; cive 0; Mismatches 0; Indels
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(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS
                                                                                    Disclosure, Page 9; 129pp; English.
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2003GB-0004096.
2000GB-0023707.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10 AA;
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22-FEB-2000; 2
22-AUG-2000; 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   invention.
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The present invention relates to linkage methodology for use in the conjugation of compounds (e.g. peptides) to carrier vehicles

(e.g. macromolecules, polymers, dendrimers, proteins) to produce biological and immunological constructs. The invention provides a method for linking an epitope (e.g. a peptide) to a carrier (e.g. a protein) for use in a pharmaceutical composition or a vaccine. The protein of for use in a pharmaceutical composition or a vaccine. The cinvention describes peptides derived from or mimotopes of the cepsilon? Cepsilon3 or Cepsilon4 regions of human immunoglobulin E (IgE) which are used to produce conjugated compounds. The compositions of the invention are useful in the manufacture of a medicament for the treatment of IgE mediated diseases. The invention allows for controlled conjugation of a peptide epitope (antigen) to a protein so as to form an immunogenic conjugate which may be able to raise a protective antibody response in an animal or human patient. AAU16631-AAU16913 represent peptides derived from or mimotopes of the Cepsilon2/Cepsilon3/Cepsilon4 region of human 1gs.
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vaccine; antiallergic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           75.0%; Score 51; DB 22; Length 10; 100.0%; Pred. No. 0.061; ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human IgE immunogenic peptide SEQ ID NO: 12.
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                                                        Example 4; Page 21; 48pp; English
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Matches 10, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 LEDGÇVMCVD 10
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                  mediated diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                       LO AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
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                                                                                                                                                                                                                                                                                                                                            Imminogen, himman, 195, immunoglobalin E, alleigy, thio other linkage, wascine, antiallergic, cyclic.
                                                                             Gabs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conjugate for use in vaccine for treatmus of alkney, comprises discifide bridge cyclized peptide and immunospens carries
                                         Query Match 75.0%; Score 51; PB 24; Length 10; Rest Local Similarity 100.0%; Pred. No. 0.061; Matches 10; Conservative 0; Mismarches 7; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Filede M, Mason S, Turnell WG, Vinals Basseis MC,
                                                                                                                                                                                                                                                                                                              Human IgE eyelic immunogenic peptide SEQ 10 No. 315.
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[PSST-) PEPTIDE THERAPSUTICS LID
                                                                                                                                                                                                                     ABJ00541 standard; Peptide; 13 AA.
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                                                                                                        2 LEDSQVMOVD 11
[[' | [[' :]
1 LEPSQVMDVD 10
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              Segnence
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Search completed: November 5, 2003, 19:01.56 Job time : 34.5 secs

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127, App
55, Appl
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12, Appl
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                                                                                                November 5, 2003, 18:03:44; Search time 22 Seconds (without alignments) 101:488 Million cell updates/sec
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GenCore version 5.1.6 (c) 1993 - 2003 Compugen Add
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                                                                                                                                                                                                                                                                                                644079 segs, 171749292 residues
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Maximum Match 100%
Listing first 45 summaries
                                                                  OM protein - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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Match Length
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Maximum DB seq length: 13
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Perfect score:
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Sequence 282, Application US/10082014
Publication No. US2030185858A1
GENERAL INFORMATION: USC.
TITLE OF INVENTION: IMMUNOCENIC HBC CHIMER PARTICLES STABILIZED WITH AN N-TERMINAL
FILE REFERENCE: ICC.130.0 4564/85124
CURRENT APPLICATION NUMBER: US/10/082,014
PRIOR APPLICATION NUMBER: 09/930,915
PRIOR APPLICATION NUMBER: 09/930,915
PRIOR PILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 290
SOFTWARE: Pacentin version 3.1
LENGTH: 10
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APPLICANT: Friede, Martin
TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR
TITLE OF INVENTION: CHRONIC HEPATITIS
Sequence 11, Appl.
Sequence 2, Appl.
Sequence 10, Appl.
Sequence 11, Appl.
Sequence 22, Appl.
Sequence 414, App.
Sequence 414, App.
Sequence 613, App.
Sequence 22, Appl.
Sequence 24, Appl.
Sequence 613, App.
Sequence 614, App.
Sequence 516, App.
Sequence 516, App.
Sequence 613, App.
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                   US.10-095-450-5

US.10-095-450-6

US.10-095-450-10

US.10-095-450-14

US.10-095-450-18

US.10-095-450-18

US.10-095-450-18

US.10-095-450-18

US.10-062-109A-475

US.10-062-109A-613

US.10-062-109A-613

US.10-062-109A-613

US.10-062-109A-613

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US.10-062-109A-613

US.10-062-109A-613

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US.10-062-109A-613

US.09-932-165-1189

US.09-932-165-1189
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US-10-372-076-136
US-10-372-076-136
Sequence 136, Application US/10372076
Publication No. US2030198645A1
GENERAL INFORMATION:
                           Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
Matches 9; Conserv
\frac{1}{2} \sum_{i=1}^{n} \frac{1}
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US-10-082-014-282
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GENERAL INFORMATION:
APPLICANT: Cai, Zeling
APPLICANT: Cai, Zeling
APPLICANT: Cai, Zeling
APPLICANT: Gai, Zeling
APPLICANT: Betexon, Per A.
APPLICANT: Betexon, Per A.
APPLICANT: Shi, Weixing
APPLICANT: Shi, Weixing
APPLICANT: Keryon, Volument Color, Volu
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APPLICANT: Jackson, Michael R.
APPLICANT: Jackson, Michael R.
APPLICANT: Jackson, Per A.
APPLICANT: Seling
APPLICANT: Seling
APPLICANT: Seling
APPLICANT: Seling
APPLICANT: Kong, Yan
APPLICANT: Kong, Van
APPLICANT: Meriking
APPLICANT: Low Normal Selicant
APPLICANT: Low Normal Selicant
APPLICANT: Low Normal Selicant
APPLICANT: Meriking
APPLICATION NORMER: 60/291,300
PRIOR FILING DATE: 2001-05-15
NORMER OF SEQ 1D NGS: 60
SOFTWARE: Patentin version 3.2
SEQ 1D NO 63
SEQ 1D NO 63
SEQ 1D NO 63
TYPE: FIRT
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                                                                                                                                             Length 9;
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                                                                                                                                      69.1%; Score 47; JB 12; 1
100.0%; Pred. No. 5.8e+05;
tive 0; Mismatches 0;
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CTHER INFORMATION: Peptide antigen

US-10-144-188-55
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; Publication No. US20030170212A1
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ORGANISM: Artificial Sequence
                                                                                                                                      Query Match
Best Local Similarity 100.
Matches 9; Conservative
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Best Local Similarity 100.
Matches 9, Conservative
          ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-372-076-127
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US-10-144-188-60
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Sequence 273, Application US/10082014
Sequence 273, Application US/10082014
Sequence 273, Application US/2003018888A1
GENERAL INCORNATION
TITLE OF INVENTION: IMMUNOSIZED
TITLE OF INVENTION: IMMUNOSIZED
CURRENT APPLICATION NUMBER: US/10/080,014
CURRENT ELING DATE: 2002-02-22
PRICE FILING DATE: 2001-08-15
PRICE FILING DATE: 2001-08-15
NUMBER OF SEQ 1D NOS: 290
SOUTWARE: PEQ 1D NOS: 290
SOUTWARE: PEQ 1D NOS: 290
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publication No. US2030198645A1

GENERAL INCORMATION:
APPLICANT: Page, Martin
APPLICANT: DATE: 2002-02-21
PRIOR FILING DATE: 2002-02-21
PRIOR PLING DATE: 2002-02-22
PRIOR FILING DATE: 2002-02-22
PRIOR FILING DATE: 2002-02-22
PRIOR FILING DATE: 2002-02-22
PRIOR FILING DATE: 2002-02-22
NUMBER OF SEQ ID NOS: 308
SCC ID NO 127
LENSTH: 9
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Matches 9; Conservative 0; Mismatches
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FILE REPERENCE: 4564/87179
CURRENT APPLICATION NOMBER: US/10/372,076
CURRENT FILING DATE: 2003-02-21
FRIGR APPLICATION NUMBER: 10/080,299
FRIGR FILING DATE: 2002-02-21
FRIGR FILING DATE: 2002-02-22
NUMBER FILING DATE: 2002-02-22
NUMBER OF SEQ ID NCS: 308
SCFTWARE: PATENTIN VEISION 3.2
SCFTWARE: PATENTIN VEISION 3.2
SCFTWARE: 10
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Best Local Similarity 90.0%;
Matches 9; Conservative
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CRGANISM: Homo sapiens
US-10-372-076 136
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ORGANISM: Homo sapiens
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US-09-925-442-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Sequence located in (AVA-PI OR T4120.300) AND AVA-P2
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                                                                                    50.0%; Score 34; EB 12; Length 10; 100.0%; Pred. No. 12; Live 0; Mismatches 0; Indels
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71.4%; Pred. No. 90;
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                                                                                                                                                                                                                                                                                                                                   APPLICANT: Proteom Ltd
TITLE OF INVENTION: Inter- complementary peptide listing
FILE REPERENCE:
CURRENT APPLICATION NUMBER: US/09/572,270A
CURRENT FILING DATE: 2000-05-17
NUMBER OF SEQ ID NGS: 1144
SEQ ID NO 1084
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Procleom Ltd
TITLE OF INVENTION: Inter-complementary pages for Lucium;
File REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/572,270A
CURRENT FILING DATE: 2000-05-17
NUMBER OF SEQ ID NOS: 1144
SEQ ID NO 1086
LENGTH: 10
                                                                                                                                                                                                                                              RESULT 7
US-09-572-270A-1084
Sequence 1084, Application US/09572270A
Publication No. US20030148368A1
GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     p Sequence 1086, Application US/09572276A
p Publication No. US20030148368A1
general information;
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US-09-842-164-12
; Sequence 12, Application US/09842164
              ; FEATURE:
; OTHER INFORMATION: Peptide antigen
US-10-144 188-63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Arabidopsis Thaliana
ORGANISM: Artificial Sequence
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Best Local Similarity 71.4%,
5. Conservative
                                                                                                                         7; Conservative
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Matches 5, Conservative
                                                                                                                                                         6 QVMDVD1 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5 GQVWDVD 11
                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                 1 OVENDAD: 7
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US-09-572-270A-1086
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                                                                                                                                                                                                                                                                                                                                                                                                                      ·:
                                                                                                                                                                                                                                                                                                                                                                              Ouery Match 41.2%; Score 28; DB 10; Length 7; Best Local Similarity 71.4%; Pred. No. 5.8e+05; Matches 5; Conservative 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
GENERAL INFORMATION:
TIPLE OF INVENTION: Datoshi
FILE REFRENCE: 206497US0
CURRENT APPLICATION NUMBER: US/09/842.164
CURRENT FILING DATE: 206497US0
FRIOR APPLICATION NUMBER: US/09/842.164
CURRENT FILING DATE: 2000-04-26
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.1
LENGTH: 7
                                                                                                                                                                                                                                                                                                 LOCATION: (1).7(7); OTHER INFORMATION: PRT, 35 kDa protein, partial US-09-842-164-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
NAME: OBLCN, NORMAN F
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 1126-0107-0X
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
                                                                                                                                                                                                                                                                                                                                                                                                                    1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FRITZINGER, DAVID
TITLE OF INVENTION: RECOMBINANT PROCVE
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: 09/017,947
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Oplophorus gracilirostris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 10 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FLEFAX: 703-413-2220
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SEQUENCE CHARACTERISTICS
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ZIP: 22202
                                                                                                                                                                                                                                                                                      NAME/KEY: MISC FEATURE LOCATION: (1). (7)
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Dr.

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RESULT 13
US-09-922-568-2
1 Sequence 2.7 Application US/09922568
2 Publication No. US2003049842A1
2 GENERAL INFORMATION:
3 APPLICANT: Baron, U. Ret al.
4 TITLE OF INVENTION: TRANSCRIPTIONAL ACTIVATORS WITH GRADED
1 TITLE OF INVENTION: TRANSCRIPTIONAL ACTIVATORS WITH GRADED
1 AND THANSCRIPTIONAL ACTIVATORS WITH GRADED
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1 AND THANSCRIPTIONAL ACTIVATORS WITH GRADED
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APPLICANT: Takeba
APPLICANT: Takeba
APPLICANT: Takeba
APPLICANT: Tochigi, Keiko
APPLICANT: Tochigi, Keiko
APPLICANT: Shinagawa, Toko
APPLICANT: Mortami, Kayoko
APPLICANT: Mortami, Kayoko
APPLICANT: Moshida, Shogo
TITLE CE TUNENTION: CLIGOPEPTIDES FOR PROMOTING HAIR GROWTH
FILE REFERENCE: LG1922002020
CURRENT: APPLICATION NUMBER: US/10/155,922
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SCFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Kara, Catherine J.
REGISTRATION NUMBER: 41,106
REGISTRACE/DOCKET NUMBER: BBI 088CPA
TELECOMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA.

APPLICATION NUMBER: US/09/922,568
FILING DATE: 01-Apr-2002
CLASS.FICATION A. Unknown>
PRIOR APPLICATION DATA.
APPLICATION NUMBER: US/09/57,027
FILING DATE: 23-MAY-2000
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 29 State Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CONTROL OF THE SECTION OF THE SECTION OF THE CONTROL OF THE SECTION OF THE CONTROL OF THE CONTRO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 12 amino acids TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (617)742-4214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Boston
SIATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 2: SEQUENCE CHARACTERISTICS:
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COMPUTER READABLE FORM:
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Matches 6; Conservative
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       2 CPSEGSVLD 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: Sequence located in GUSY2D OF 3012D AR REDACT OR REIGG OR GUCLA4 OTHER INFORMATION: CORD6 at 314-323 and may interact with Sequence 2984 in this pate
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TILE CF INVENTION: Complementary peptide ligators from the human genome
TILE REPRENCE: human patent
CURRENT APPLICATION NUMBER: US/09/572,4046
CURRENT FILING DATE: 2000-05-17
NUMBER OF SEQ 10 NOS: 4203
SOFTWARE: ProtPatent version 1.0
SEQ 10 NO 2933
LENGTH: 10
                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                             41.2%; Score 28; DB 10; Nepath 10; 50.0%; Pred, No. 1.36+02; tive 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        38.2%; Score 26; DB 11; Longth 19; 44.4%; Pred. No. 38+52;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1, Application US/0986151
Publication No. US20300927461
SENERAL HOPEMATION:
APPLICANT: Hagman, William K.
APPLICANT: Belaszlo, Stephen E.
APPLICANT: Ramenecka, Theodore
APPLICANT: Ramenecka, Theodore
APPLICANT: Mancocas, Malcolm
TILLE CF INVENTION: SUBSTITUTED AMID:NE DERIVATIVES AS
TILLE CF INVENTION: INHIBITORS OF CELL ADHESIGN
TILLE OF INVENTION: INHIBITORS OF CELL ADHESIGN
TILLE PREFERENCE: 20688
CURRENT APPLICATION NUMBER: US/09/862,151
CURRENT PILING DATE: 2002-11-14
PRICK APPLICATION NUMBER: 60/226,181
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO : LENGTH: 13
TOPOLOGY: linear
MCLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 2983, Application US/095724848 Publication No. US20030078374A1 GENERAL INFORMATION:
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Best Local Similarity 40.0
Best Local 4; Conservative
                                                                                                                                                                                                                                                     5; Conservative
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US-09-862:151-1
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                                                                                                                                                                          Query Match
Best Local Similarity
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Matches 4, Conserv
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                                                                                                      US 69-925 442-3
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Gaps

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Search completed: November 5, 2003, 18:11:58 Job time: 23 secs
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4 CLEENÇ 9
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TITLE OF INVENTION: Disposis and Treatment of Medical Conditions Associated with Def
TITLE OF INVENTION: DISPOSIS and Treatment of Medical Conditions Associated with Def
TITLE OF INVENTION: UNFRAPA B (NF. KB) Activation
FILE REFERENCE: HO-P01961USI
CURRENT APPLICATION NUMBER: US/09/863, C49A
CURRENT FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/206,223
PRIOR FILING DATE: 2000-05-22
NUMBER OF SEQ ID NOS: 77
SOFTWARE: Patentin Version 3.1
SEQ ID NO 77
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CURRENT FILLING DATE: 2002-05-23
PRIOR APPLICATION NUMBER: POT/JP01/C469:
PRIOR PILLING DATE: 2001-06-04
PRIOR PILLING DATE: 2001-06-05
PRIOR FILLING DATE: 2000-06-05
PRIOR FILLING DATE: 2000-06-05
PRIOR FILLING DATE: 2000-06-05
PRIOR FILLING DATE: 2001-11-13
PRIOR FILLING DATE: 2001-11-13
PRIOR FILLING DATE: 2001-11-13
PRIOR FILLING DATE: 2001-11-13
PRIOR FILLING DATE: 2001-11-10-05
PRIOR FILLING DATE: 2001-12-05
PRIOR PRIOR PRIOR DATE: 2001-12-05
PRIOR FILLING DATE: 2001-12-05
PRIOR PRIOR PRIOR DATE: 2001-12-05
PRIOR PRIOR DATE: 2001-13-05
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LOCATION: 7
DIHER INFCRMATION: Xaa - Any Amino Acid
10-155-922-72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CTHER INFCRMATION: Synthetic Construct FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 77, Application US/09863049A Publication No. US20030032055Al GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Kenwrick, Sue J.
APPLICANT: Nelson, David L.
APPLICANT: Nelson, David L.
APPLICANT: Putrso, Michele
APPLICANT: Welfendin, Hayley
APPLICANT: Smahi, Asmae
APPLICANT: Smahi, Asmae
APPLICANT: Israel, Alain
APPLICANT: Lewis, Richard
APPLICANT: Lewis, Richard
APPLICANT: Lewis, Richard A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4; Conservative
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Best Local Similarity
Matches 4, Conserv
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APPLICANT: Lu, Anthony Y.H.
APPLICANT: Mang, Regina M.L.: Peptide Antibody Against Human
TITLE OF INVENTION: Cytochrome P450 3A4
NUMBER OF SEQUENCES: 36
NUMBER OF SEQUENCES: 36
ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Match 45.6%; Score 31; DB 4; Length 11; Local Similarity 63.6%; "red. No. 14; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,897
US-09-127-815D-6
US-09-127-815D-10
US-09-127-815D-14
US-09-127-815D-18
US-09-127-815D-22
US-09-37-1710-25
US-09-648-386-25
US-08-726-306A-134
US-08-836-480-38
US-07-842-089E-13
US-07-842-089E-19
US-08-264-465-19
US-08-264-465-19
US-08-264-465-19
US-08-264-465-19
US-08-264-465-19
US-08-264-465-19
US-08-264-465-19
US-08-264-465-19
US-08-264-465-19
US-08-377-221-47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NITBER: 19902
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-057-897-13
; Sequence 13, Application US/09057897
; Patent No. 6300476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (732) 594-3905
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (732)594-4720
INFORMATION FOR SEQ 1D NO:
SEQUENCE CHARACTERISTICS:
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MOLECULE TYPE: peptide
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ZIP: 07065-0907
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   STREET: P.O. CITY: Rahway
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
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Segrence 12, 7
Segrence 46, 7
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Sequence 2
Sequence 3
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cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
/cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/1/iaa/AA_COMB.pep:*
/cgn2_6/ptodata/1/iaa/AB_COMB.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMS.pep:*
/cgn2_6/ptodata/1/iaa/PCTUS_COMS.pep:*
                   GenCore version 5.1.6
Copyright (c) 1993 · 2003 Compugen Ltd.
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US-08-462-1646-11
US-08-662-247-3
US-08-162-247-3
US-08-162-247-3
US-08-162-2618-13
US-09-057-897-13
US-09-057-897-13
US-09-124-548-29
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US-09-116-76-20
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                                                                                        protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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Match Length DB
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length: 13
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Perfect score:
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APPLICANT: BREDBEORST, REINHORST
APPLICANT: BREDBEORST, REINHORST
APPLICANT: FRITZINGER, DAVID
ITILE OF INVENTION: RECOMBINANT PROCVF
NUMBER OF SEQUENCES:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
ADDRESSEE: P.C.
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       41.2%; Score 28; DB 2; Length 10; 50.0%; Pred. No. 44; ative 2; Mismatches 3; Indels
                                                                Score 28; DB 1; Length 10;
Pred. No. 44;
2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Ficeppy disk
MEDIUM TYPE: Ficeppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DCS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/662,227
FILING DATE: 14.JUN-1996
CLASSIFICATION: 530
ATTORNEY/AGENT INPORMATION:
NAME: OBLOW, NORMAN F.
REGISTRATION NUMBER: 24.618
REGISTRATION NUMBER: 24.618
REGISTRATION NUMBER: 1126-0167-0X
TELECOMMUTCATION INFORMATION:
TELECOMMUTCATION INFORMATION:
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; Sequence 3, Application US/09017947
; Sequent No. 6303754
; GENERAL INFORMATION;
APPLICANT: VOGEL, CARL-WILHELM
APPLICANT: WARESERRORST REINHORST
APPLICANT: KOCK, MICHAEL
                                                                                                                                                                                                                                                                                 Sequence 3, Application US/08662227
; Sequence 3, Application US/08662227
; Patent No. 5922320
; GENERAL INFORMATION:
                                                                41.2%;
                                         Query Match
Best Local Similarity 50.00,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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; MOLECULE TYPE: peptide US-08-447-411-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 5; Conserv
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US-08 447-411-46
FSQUENCE 46, Application US/08447411
FB4tent No. 5773243
GENERAL INFORMATION:
APPLICANT: FRITZINGER, DAVID C.
APPLICANT: PRIZZINGER, DAVID C.
APPLICANT: PRIZZINGER, DAVID C.
APPLICANT: PRIZZINGER, DAVID C.
APPLICANT: WGEE, CARL-WILHELM
TITLE OF INVENTION: DNA ENCODING CCBRA C3, CVF1, AND CVF2
FINERSER OF SEQUENCES:
ADTRESSER: CBLON, SPIVAK, MCTLELLAND, MAIER & HEUSTADT, ADDRESSER: CBLON, SPIVAK, MCTLELLAND, MAIER & HEUSTADT, ADDRESSER: DAVIS HIGHMAY, SULLY 400
STATE: Virginia
STATE: Virginia
                                                                                                                                                                                                                                                                                                                                                                                                                                                             41.2%; Score 28; DB 4; Longth 7; 71.4%; Pred, No. 2.5e-95; Live 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SCFTWARE: Patentin Release #1.0, Version #1.15.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,411
FILING DATE:
                                                                                                                           APPLICANT: INCUYE, SATOSHI
TITLE OF INVENTION: LUCIFERASE AND PHCTOPRCTEIN
FILE REFERENCE: 206497005
CURRENT APPLICATION NUMBER: US/09/842,164A
CURRENT PILING DATE: 2001-04-26
PRICR APPLICATION NUMBER: UP 2000; 125053
FRICR FLING DATE: 2000-04-26
NUMBER OF SEQ ID NOS: 40
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 435
PRICE APPLICATION DATA.
PAPLICATION NUMBER: US 08/043,747
FILING DATE: 07-APR-1993
ATTORNEY/ACENT INFORMATION:
NAME: Oblon, No. 5773243man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 1126-151-0
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Floppy disk
CCMPUTER: ISM PC compatible
CPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Op_ophorus gracilorostris
                                                             ; Sequence 12, Application US/09842164A
; Patent No. 6544754
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (703) 4:3-2220
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 71.4
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    S GOVARDVD 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GDVMCMD 7
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                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OCUMTRY: U
                    RESULT 2
US-09-842-164A-12
                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-842-164A-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TENGLE
                                                                                                                                                                                                                                                                                                                                 SHO ID NO 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
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22

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3; Mismatches
APPLICATION NUMBER: US/08/162,081B
FILING DATE: Pebruary 7, 1994
CLASSIFICATION: 435
PRIOR APPLICATION 0415
APPLICATION DATE:
APPLICATION DATE:
APPLICATION NUMBER: PCT/G393/00761
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: PASQUAILIN: PATRICIA A.
REGISTRATION NUMBER: 14,894
REFERENCE/OCKET NUMBER: LUD 5256
TELEPHONE: (212) 688-9200
TELEPHONE: (212) 688-3884
INFORMATION FOR SED ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-780-872-13
Sequence 13, Application US/08780872
Patent No. 5846824
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ 15 NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 13 Amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             E: Felfe & Lynch
805 Third Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13 amino acids
                                                                                                                                                                                                                                                                                                                                                              single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 DDGQLFHID 9
                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
STRANDEDNESS: sir
                                                                                                                                                                                                                                                                                                                                                                             ; TCPOLOGY: linear
US-08-162-081B-13
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STREET: BUJ
TITY: New YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: New York
COUNTRY: USA
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Patent No. 5824492

GENERAL INFORMATION:

APPLICANT: Hises, Ian Donald; Fry, Michael John; Uhand, Pitu
APPLICANT: Baia; Waterfield, Michael Derek; Parker, Peter
APPLICANT: Stefano; Gout, Ivan Tarasovitch
TITLE OF INVENTION: POLYPERTIDES HAVING KINASE ACTIVITY,
TITLE OF INVENTION: THEIR PREPARATION AND USE
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         c.
      APPLICANT: FRITZINGER, DAVID
TITLE OF INVENTION: RECOMBINANT PROCVF
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADFRESSEE: OBLON, SPIVAK, MCCLELLANC, MAIER & NEUSTADT, ADDRESSEE: P.C.
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
CITY: ARLINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage COMPUTER: IBM PS/2
                                                                                                                                                                                                           ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: TBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DCS
SOFTWARE: Patentin Release #1.0, Version #1.30
APPLICATION DUMBER: US/09/c17,947
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             41.2%; Score 28; DB 4;
50.0%; Pred. No. 44;
tive 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
FRICR APPLICATION DATA:
AFPLICATION NUMBER:
AFILING DATE: 14-JUN-1996
ATTORNEY AGENT INFORMATION:
NAME: OBLON, NORMAN F:
REGISTRATION NUMBER: 24.618
REFERENCE/DOCKET NUMBER: 1126-0107-3X
TELECHONE: 703-413-3000
TELECHONE: 703-413-3200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PS/2
CPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 50.0
Matches 5, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: peptide
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                                                                                                                                                                                                                                                                                                                                                                               FILING DATE
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US-08-162-0818-13
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                                                                                                                                                                                               COUNTRY:
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CORRESPONDENCE ADDRESS:
ALDRESS FELF & Lynch
                                                               .;
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Query Match 41.2%; Score 28; DB 2; Length 13; Best Local Similarity 44.4%; Pred. No. 60; Antiches 4; Conservative 3; Mismatches 2; Indels
                                                            Indels
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COMPUTER: NEW TORK
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM FS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: Worderfect
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/08/780,872
FILING DATE: 09-JAN-1997
CLASSIFICATION NUMBER: 08/162,081
FILING DATE: FEbruary 7, 1994
APPLICATION NUMBER: 08/162,081
FILING DATE: 13 April 1993
ATTORNEY AGENT INFORMATION:
NAME: PASQUALINI, PARTICIA A.
REGISTRATION NUMBER: UD 5256
TELECOMUNICATION INFORMATION:
TELECOMUNICATION INFORMATION:
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US-09-057-897
RESULT 9
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                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Hies, Ian Donald, Fry, Michael John, Jhand, Pitta APPLICANT: Bala; Waterfield, Michael Derek, Parker, Peter APPLICANT: Joseph; Otst, Masayuki, Panayotca, George, Volinia, APPLICANT: Sefano, Gout, Ivan Tarasovitch
TITLE OF INVENTION: POLYPEPTIDES HAVING KNASE AFTIVITY,
TITLE OF INVENTION: THEIR PREPARATION AND USE
NUMBER OF SEQUENCES: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 28, 58 h tength 13,
Pted, No. 60,
3, Mismatches 2, todels
                                                                                                Score 29, DB 2, Dength 13,
Pred, No. 60,
3, Mismatches 2, Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 1002

ZIP: 1002

COMPUTER READABLE FORM:

MCDUNTYER: Diskette, 5.25 unch, 360 kb storams

COMPUTER: 18 PS/2

COMPUTER: 18 PS/2

COPRATING SYSTEM: PC-DOS

SCFTWARE: Wordperfect

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/685,957
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASGS FICATION:
CLASGS FICATION:
PRICE APPLICATION DATA:
APPLICATION NUMBER: 08/780.372
FILING DATE: 08-78N.1997
APPLICATION NUMBER: 08/162.041
FILING DATE: FEBRUARY 7, 1004
APPLICATION NUMBER: PCT/GB91/0074;
FILING DATE: 13 April 1993
ATCHERY/AGENT INFORMATION:
NAME: PASKURIINI, PARTICLA A.
REGISTATION NUMBER: 1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/JOSCKET NUMBER: JJD 5256
TELEFORMUNICATION INFORMATION:
TELEPHONE: (212) 688-9209
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                            Sequence 13, Application US/09085957
Patent No. 6274327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 44.4%;
Matches 4; Conservative
                                                                                                   Cuery Match
Best Local Similarity 44.4%;
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AUDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      : 13 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS: single
TOPOLCGY: linear
            STRANDEDNESS: Single
TOPOLCGY: linear
US 08-780-872-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CCRRESPONDENCE ADDRESS ALDRESSE: Felfe & P
                                                                                                                                                                                    3 EDGQVMDVD 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3 EDGOVMDVD 11
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                                                                                                                                                                                                              amino acid
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New York
                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            JSA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                J TOPOLOGY:
US:09-085 957 13
                                                                                                                                                                                                                                                                                                           US-09-085-957-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OCUNTRY:
                                                                                                                                                                                                                                                                                     RESULT 8
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Gaps
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              Sequence 15, Application US/09057897
Patent No. 6300476
GENERAL INFORMATION:
APPLICANT: Marg, Regina W.
ITILE CF INVENTION: Anti-Peptide Antibody Against Human TITIE CF INVENTION: Anti-Peptide Antibody Against Human TITIE CF INVENTION: Cytochrome F450 3A4
NUMBER OF SEQUENCES: 36
CGRESSEDRID METCK & CO. Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PROCESS FOR THE RAPID SYNTHESIS OF
SUPPORT BOUND OR FREE PEPTIDES OR
CLICONUCLECTIDES, A FLAT MATERIAL
PREPARED THEREWITH AND 1TS USE AND
A DEVICE FOR CARRYING OUT THE
PROCESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SENERAL INFORMATION:

APPLICANT: Frank, Ronald
APPLICANT: Frank, Ronald
APPLICANT: Frank, Ronald
APPLICANT: Guler, Sinar
TITLE OF INVENTION: SIOPORT-BOUND OR FREE PEPTIDE
TITLE OF INVENTION: OLICONUCLEOTIDES, A FLAT MATE
TITLE OF INVENTION: PREPARED THEREWITH AND ITS US
TITLE OF INVENTION: PROCESS
NIMBER OF SEQUENCES: 54
NUMBER OF SEQUENCES: 54
NUMBER OF SEQUENCES: 54
ADDRESSEE: Joseph T. Eisele
ADDRESSEE: Joseph T. Eisele
ADDRESSEE: Levy, Eisele and Richard
STRUCZ, RANCE, DAISIMER, SULLIVAN, KURUCZ, REDRESSEE: Levy, Eisele and Richard
                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IRM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/357,897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   39.7%; Score 27; DB 4; I
93.3%; Pred. No. 2.5e+05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3, Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . Sequence 28, Application US/08724548
; Patent No. 5830637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
ATTORNAY AGENT : PRORMATION:
NAME: Hand, J. Mark
REGISTRATION NUMBER: 36,545
REFERENCE/OSCHET NUMBER: 1990:
TELECOMMUNICATION : TELEPHONE: (732)594-3906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: 711 Third Avenue CITY: New York SIATE: New York CLUMEN: New York CLUMEN: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (732)594-4720
INFORMATION FOR SEC 1D NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ouery Match
Rest Local Similarity 83.39
Feet Conservative 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MCLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
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07065-0907
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                                                                                                                                                                                                                                                                     CITY: Rahway
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 10
US-08-724-548-28
US-09-057-897-15
                                                                                                                                                                                                                                                                                          STATE: N
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PROCESS FOR THE RAPID SYNTHESIS OF
SUPPORT-BOIND OR FREE PEPTIDES OR
OLIGONUCLECTIDES, A FLAT MATERIAL
PREPARED THEREWITH AND ITS USE AND
A DEVICE FOR CARRYING OUT THE
PROCESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Joseph T. Bisele
Kane, Dalsimer, Sullivan, Kurudz,
Levy, Eisele and Richard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRICING DATE: 03/22/93
ATTORNEY/AGENT INFORMATION:
NAME: EISELE, JOSEPH T.
REGISTRATION NUMBER: 25,331
REFERENCE/DOCKET NUMBER: 27,27-68 PCT
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 10 68-6000
TELECOMMUNICATION 10 68-6000
TELECOMMUNICATION 10 68-1485
TELEX: (212) 68-6000
TELECOMMUNICATION 10 68-1485
TELEX: (212) 426767
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NS-07-14

NS-07-978-6748-28

Sequence 28, Application US/079786748

Sequence 28, Application US/079786748

Fatent No. 66040423

GENERAL INFORMATION:

APPLICANT: Frank, Ronald

APPLICANT: Guler, Sinan

TITLE OF INVENTION: SUPPORT-BONDO OF

TITLE OF INVENTION: OLIGONUCLEOTIDES

TITLE OF INVENTION: PREPARED THEREWI

TITLE OF INVENTION: A DEVICE FOR CAR

CORRESSIONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                   JS/08/724,548
                                                                ZIP: 10017-4059
COMPUTER READABLE PORM:
MEDIUM TYPE: 3-1/2" DISKETTE
COMPUTER: IBM XT COMPATIBLE
OPERATING SYSTEM: DOS 3.3:
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: JS/08/724.
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Rest Local Similarity 50.0%,
Nos 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: LINEAR
MOLECULE TYPE: Peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 10 residues
TYPE: amino acid
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4 DGQVMDVDLL 13
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                                            RY: U.S.A.
10017-4059
                New York
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FRAGMENT TYPE: i:
ORIGINAL SOURCE:
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IMMEDIATE SOURCE:
US-08-724-548-29
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ADDRESSES:
ADDRESSES:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 29, Application US/08724548
Patent No. 5936637
GENERAL INFORMATION:
APPLICANT: Frank, Ronald
APPLICANT: Guler, Sinan
ITILE OF INVENTION: PROCESS FOR THE RAFID SYNTHES
TITLE OF INVENTION: OLIGONCCLEOTIDES, A FLAT MATE-
TITLE OF INVENTION: PREPARED THEREWITH AND ITS US
TITLE OF INVENTION: PROCESS
ITILE OF INVENTION: PROCESS
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kane, Dalsimer, Sullivan, Karnor:
ADDRESSEE: Lovy, Eisele and Richard
STERET: 711 Third Avenue
                                                                                                                                                                                                                                                       FILING DATE:
CLASSIFICATION
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/978,674
FILING DATE: 03/22/93
ATTONNEY/AGUNT INFORMATION:
NAME: EISELE, JOSEPH T.
REGISTRATION NUMBER: 25,33;
REFERENCE/DOCKET NUMBER: 25,33;
REFER
                                                                                                                                OPERATING SYSTEM: DOS 3.3:
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NAMBER: US/08/724,548
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FRAGNENT TYPE: internal fragment
ORIGINAL SOURCE:
ZIP: 10017-4059
CCMFUTER READABLE FORM:
MEDIUM TYPE: 3.1/2" DISKETTE
CORFUTER: IBM-XT COMPATIBLE
OPERATING SYSTEM: DOS 3.3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPAN: (212) 687-6000
TELEPAN: (212) 682-3485
TELEX: (212) 426767
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 10 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 EDGQVMDVD1 12
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Best Local Similarity
Matches S; Conserv
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: IMMEDIATE SOURCE:
US-08-724 548 28
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Sequence 8, Application US/09238448
Patent No. 6238925
GENERAL INFORMATION
APPLICANT: Sampson, Hugh A.
ITILE OF INVENTION: Method for Determining Likelihood of Developing
ITILE OF INVENTION: Immunological Tolerance
ITILE OF INVENTION: Immunological Tolerance
CGRENT REPRENCE: HS 1899-01-28
CGRENT APPLICATION NUMBER: US/05/238,448
EARLIER APPLICATION NUMBER: 60/073,171
EARLIER PRICE APPLICATION NUMBER: 60/073,171
EARLIER PLING LATE: 1904-01-30
UTRIES OF 050-10-10 HTS: 10
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ADDRESSEE: Kane, Dalsimer, Sullivan, Kurucz
                                                                                                                                                                                                                                COMPUTER REAGABLE FORM:
KEGIUM TYPE: 3.-/2" DISKETTE
COMPUTER: IBM-XT COMPATIBLE
OPERATING SYSTEM: DOS 3.3:
CURRENT APPLICATION DATA
APPLICATION NUMBER: US/C7/979,674B
FILING DATE: 03/22/93
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: COSEPH T:
RECISTANTION NUMBER:
FILING DATE: COSEPH T:
RECISTANTION NUMBER:
FILING DATE: COSEPH T:
RECISTANTION NUMBER: 25,331
REPERENCE/DOCKET NUMBER: 25,331
RECOMMINICATION: NEOREMER: 2727-68 PCT
TELECOMMINICATION: NEOREMER: 2727-68 PCT
TELECOMMINICATION: NEOREMER: 2727-68 PCT
TELECOMMINICATION: NEOREMER: 2727-68 PCT
                                 Eisele and Richard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ANTI-SENSE:
FRAGMENT TYPE: internal fragment
ORIGINAL SOURCE:
ORGANISM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPACNE: (212) 687-6060
TELEFAX: (212) 682-3485
TELEX: (212) 426767
INFORMATION FOR SEQ 1D NO: 29:
SEQUENCE CHARACTERISTICS:
                                                               F: 711 Third Avenue
New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: Peptide HYPOTHETICAL: ANTO COLUMN ANTO 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 10 residues
TYPE: amino acid
STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4 DGCVMDVDLL 13
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INDIVIDUAL ISCLATE:
DEVELOPMENTAL STASE
                                                           STREET: 711 Third
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10017-4059
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                                     ADDRESSEE:
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US-09-238-448-8
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Patent No. 6040423
GENERAL INFORMATION:
APPLICANT: GUIEr, Sinan
TITLE OF INVENTION: PROCESS FOR THE RAFID DYNTHE RE FETTING FITTLE OF INVENTION: SUPPORT-BOUND OR FREE FETTING FITTLE OF INVENTION: CLICONUC.ECTIO.ES A FLAT WATER ALTITLE OF INVENTION: PREPARED THEREWITH AND ITS RE AND TITLE OF INVENTION: PROCESS
MINHER OF SEQUENCESS: 54
CORRESPONTENTE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTCRNEY/AGENT INFORMATION:
NAME: EISELE, OCSEPH T.
REJISTRATION NUMBER: 25,33;
REFERENCE/JOCKET NUMBER: 2727-68 PCTTELECOMMINICATION:
TELECOMMINICATION INFORMATION:
TELECOMMINICATION INFORMATION:
TELECOMMINICATION INFORMATION:
TELECOMMINICATION:
TELECOMMINICATION:
TELECOMMINICATION:
TELECOMMINICATION:
SEQUENCE CHARACTERISTICS:
LENGTH HOUSE CHARACTERISTICS:
LENGTH HOUSE CHARACTERISTICS:
                                                                                                                                                                                                                         SCFTWARE: DOS 3.3:
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
CLASSIFICATION: 435
PRICA APPLICATION: 435
PRICA APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATCRNEY/ACTEN
                                                           STATE: New York
CCMTATA: J.S.A.
ZIP: 1017-4059
CCMTUTER READABLE FORM:
MEDIUM TYPE: 3.1/2* DISKETTE
COMPUTER: THM:XT COMPATIBLE
COPERATING SYSTEM: DOS 3.3:
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ORGANISM:
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STREET: 711 Third Avenue
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MOLECULE TYPE: Peptide
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DEVELOPMENTAL STAGE:
HAPLOTYPE:
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                          CITY: New York
STATE: New York
CCUNTRY: U.S.A.
ZIP: 10017-4059
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| IMMEDIATE SCIENE:
| US 07 978 6748-24
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US-07 978 6748-29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Matics
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Matches & Conserv
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GenCore version 50106
Copyright (c) 1993 2003 Compused 100
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Maximum Match 100%
Listing first 45 summartes
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Gapop 10.0 / Gapext 0.5
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Solah Match Length Da
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length: 13
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PESCLT P34819

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Paciophage cytotoxicity-inducing factor, 29K. human (fragment)

Species: Bord supplies (mat)

Species: Bord supplies (mat)

Species: Bord supplies (mat)

Species: CM - Williams, CM - Wil
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Cybectes: Homo sapiens train
Cybectes: Our-2000 #sequence revision 20 Jun-2000 #text_change 20-Jun-2007
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C.Species: Gryza sativa (rice)
C.Species: Gryza sativa (rice)
C.Paces (Steb-1994 #sequence_revision 63-Feb-1994 #text_change il-Apr-1995
C.Pacession; PSG59
R.Tsugita, A.y. Kamo, M.
Submited for JIPID, April 1993
A.Reference number: PGG99
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Matches 5; Conservative 1; Mismatches 4; Indels
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Matches 4) Conservative
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Best Local Similarity 60.0%; Pred. No. 2.96-05;
Astones 3: Conservative 1; Minarities 1; Inness
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(Species, Cajanus rajan (pigeon pea)
(Species, 13 Jul 1930 #sequence revision 14 Jul 1940 #frecon 18 Jul 19
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Best Local Similarity 198,0%, 65:4%, 12000
Matches 4: Nessivative 7, 75:4000
CONTRACTOR OF THE PROPERTY OF 
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C)Accession: 847357
R)Lebrar, P.C.
R)Residues; P.L.
R)Lebrar, P.C.
R)Residues; P
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Cispedies: Corcepithecus acthiops (green monkey, grivet)
Cispedies: Osteopithecus acthiops (green monkey, grivet)
Cispedies: 30 Mar-1990 #sequence_revision 30-Mar-1990 #text_change 23 Mar-1995
Cispacession: A33666
RiDavies, Ci; Marwick, Ji; Torty, N.; Philip, R.; Helfrich, M.; Horton, M.
C. Cell Biol, 109, 1817-1826, 1989
A; Helfrich, M.; Hortonal antigen, implicated in the regulation of bone resorp
A;Reference number: A33660; MULD:700090554; PMID:2477382
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CiSpecies: Sus seried domestica idomestic pig)
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CiAccession: S66215
Riwamoto, Ti, Fircaki, Hi, Forutoni, Yi, Wada, Ki, Satoh, Mi, Satoh, Mi, Csada, Ti, Ga Riwamoto, Ti, Fircaki, Hi, Forutoni, Yi, Wada, Ki, Satoh, Mi, Satoh, Mi, Csada, Ti, Ga Allwamoto, Ti, Fircaki, Hi, Forutoni, Yi, Wada, Ki, Satoh, Mi, Satoh, Mi, Csada, Ti, Ga Allwisi, Obrino of bras SiMI gene which is expressed specifically in serinal vesicle a Alfacession. Sekul
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C/Species: Homo saptens [man]
C/Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change C5 Nov-1999
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C/Reywords: T-cell receptor
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                                                                                                                   Length 10;
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A;Residues: 1-13 <DAV>
A;Experimental source: a green munkey kidney Vero cell line
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                                                                                                              24.7%; Score 18; DB 2; 3
50.0%; Pred. No. 5.5e+33;
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Ouest Local Similarity 75.vv
Best Local 3: Conservative
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Best Local Similarity 33.55
Face Similarity 33.55
                                                                                                         Query Match
Best Local Similarity 50.6
Matches 2: Conservative
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11 |
2 ISIC 5
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C)Species: (anis lique familiaris (dog)
C)Sace: 20-000 lique familiaris (dog)
C)Sace: 20-000 lique familiaris (dog)
C)Accession: A32295
R)Tycon, P.A. Steinberg, M., Mallick, B.T., Kirlyy, C.C.
Blod, Chain, Ed., 786, 786, 7899
A,Title, Identification of the 5-iodadory amonthishment in quiter site on the Na.K ATPa A;Reference number: A32195; KUID:89091103, FMID in particular
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                                                         Pred. Mo. 2.90-53;
2; Mismatches 1; Indols
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Best Local Similarity 80.0%; Pred. No. 4 %+0%;
Matches 4; Conservative 0; Mismatches 1; Illiois
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42.9%; Pred. Aq. 4 m
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A.Residues: 1-12 FUX>
C.Keywords: protein biosynthesis; ribosome
                                                         50.087
                                                                                                    3; Conservative
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Marches 3, Conservative
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A.Molecule Type: protein
A.Nosidues: 1.10 -TYS>
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Best Local Similarity 50.0%; Pred. No. 94403,
Matches 4; Concervative 3; Mismatites 2; Indels
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Social Serial States

Bost Local Similarity SCLOR, Pred. No. 7.15-13,
Matches 3, Conservative 2, Minnatches 1, Unbels
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A,Molecule type: protein
A,Residues: 1-13 <1WA>
A,Note: Pro-6 was also found
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STRAIN=South Carolina;
MEDINE=2021/4717; Pubmed.10752552;
Mang Q., Poulos B.T., Lightner D.V.;
"Protein analysis of geographic isolates of shrimp white spot syndrome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Marmalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
NCBI_TaxID=9606,
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Pred. No. 1.1e+03;
1; Mismatches 4; Indels
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GASTRIC JUICE PEPTIDE 2.
CFEECGABO2C3387D CRC64;
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1323 MW, 000F41891D51A724 GRC64;
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16-00T-2001 (Rel. 40, Last sequence update)
16-00T-2001 (Rel. 40, Last annotation update)
16-00T-2001 (Rel. 40, Last annotation update)
18-00T-2001 (Rel. 40, Last annotation u
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21.JUL 1986 (Rel. Cl. Last sequence update)
15.SEP-2033 (Rel. 42, Last annotation update)
Gastric juice peptide.
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MIM; 137220; GC:00070586; P:digestion; NAS. BEPTIDE
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Homo sapiens
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Copyright (c) 1993 - 2073 Compagen Ltd.
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DI-CCT-1594 (Rel. 80, Last ed)
DI-CCT-1594 (Rel. 80, Last sequence update)
DI-CCT-1594 (Rel. 80, Last sequence)
SchistoPiRFamide (PGVDHFLRF-amide) (Cardioexcitatory neuropeptide).
Locusta migratoria (Migratory Locust), and
SchistoPirera migratoria (Migratory Locust), and
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                                     Electrophoresis 15:1459 1465(1994).
-1- MISCELLANBGUS: ON THE 2D GEL THE DETERMINED PLOF THIS UNKNOWN PROFEST IS: 39:5 Kba.
NCN TER 13 13 13 SEQUENCE 13 AA, 1380 MW, 6617BA7ALE06ABIB CRC64;
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MEDITE 471-470, Erred 7687352,
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MEDLINE-199249136: PubMed-19420651;
Hernandez-Pinzon I., Ross J.H.E., Barnes K.A., Damant A.P.
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Similarity 100.0%; Pred. No. 4.6e+03;
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15-JUL-1999 (Rel. 34, Last aggence update)
30-MAY-2000 (Rel. 34, Last annotation update)
Brassica lipid-associated protein (Fragment).
Brassica napus (Rape).
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Namalia, Eutheria, Primates, Catarrhini, Hominilius Elm.
NCBI, TaxiD=9606;
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Eukaryota, Malanas Atthropoda, Chushacea, Malanashi, an
Eukaryota, Eucarida, Decapoda, Pleudyemaha, Bringhin,
Euralanostrada, Eucarida, Decapoda, Pleudyemaha, Bringhin,
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61 FER 1995 (Rel. 31, Last sequence updature
16-CTT 2001 (Rel. 40, Last annotation updated
Unknown protein from 2D-page of healt object 40.4
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Matches 3; Conservative 1; Mismatches
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180 + 27
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5; Mismathres
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss institute of Bloinformatics and the EMBL outstains the European Bloinformatics for stitute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not recoved. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ci./announce/or send an email to licenseaisb-sib.ci.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-0CT-1994 (Rel. 30, Created)
01-0CT-1994 (Rel. 30, Last sequence update)
08-0XT-2006 (Rel. 34, Last annotation update)
Maltose-binding periplasmic protein (Maltodextrin-binding protein
(MMSE) (Fragment).
                                                                                                                                                                                                                                                                                                                                             Bacteria; Proteobalteria; Gammaproreobacteria; Enterobacteriales;
Enterobacteriaceae, Kiebsiolia.
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60.0%; Pred. No. 5.2e+03;
ive :: Mismatches :; Indels
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                                        10 AA
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PROSITE, PSC1039, SBP BACTERIAL i, PARTIAL.
Transport, Sugar transport, Periplasmic.
                                        FRT;
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MEDLINE=93211295; PubMed=8459773;
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-!- FUNCTION: MUSCLE INHIBITING AGENT. INVOLVED IN THE NEGRAL CONTROL

OF THE VISCERAL MUSCLES OF THE HEART, ACCESSORY GLALLS ANT

CUIDCT. MAY BE INVOLVED IN THE REGULATION OF SALLYA SECRETION.

-! TISSUE SPECIFICITY: FOUND IN AXINS OF THE MARE ACTESSITY JAMNS,

THE SALLYARY GLANDS, THE HEART, AND THE CUITCHT.
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"Isolar G.M., Cook B.J., Nachman R.J.,
"Isolar G.M., Cook B.J., Nachman R.J.,
"Isolar Gon, primary structure and synthesis of Leady primary structure and synthesis of Library busined by the cook of the cook 
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7
                                                                                                                                                                                                             SEQUENCE.
SPECIES.S.gregaria, TISSUE=Thoracia nervous system.
MEDLINE 3246641, PubMed=2719702,
MEDLINE 3246641, PubMed=2719702,
MEDLINE 3246641, PubMed=2719702,
MEDLINE 3246641, PubMed=2719702,
MEDLINE 3246641, Evans P.D.,
MEDLINE PROBLEM CONTROL OF SCHOOLS OF SCHOOLS OF STATE STAT
"Isolation, identification, and symmests of POVIBFLEFURING (SchistofieRFamide) in Locusta migratoria and its association with male accessory glands, the salivary glunds, the Pearl, and the
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MOD RES 10 10 AMIDATION.
SEGGENTE 10 AA, 1244 MW, D3CS171902C1EARD (P064).
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100.0%; Pred. Wo. -..
... 0; Mismal Ches
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Peptides 14:409:401(1993).
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Pest boca, Similarity 109.
"Mac 3; Conservative
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PIR, A32543; A32543.
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STRAIN Sprague Dawloy, TISSUE-Liver, MEDLINE 1589/09, PROLINE 1589/09, PubMed-11732/20, Langer Tis 890/09, PubMed-11732/20, Langer Ti, Pasold Hi, Pasold Hi, Pasold Hi, Pasold Hi, Pasold Hi, Pasold Hi, Person December 1500/00, Protein 90 alpha and Proteplasma the 14 tiver. 7, Proteplasma 189 94 % 2001
                                                                                                                                                  Eukaryota, Métazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Rattus
                                 28-FEB-2003 (Rel. 41, Created)
28-FBB-2003 (Rel. 41, Last sequence update)
28-FBB-2003 (Rel. 41, Last annotation update)
Heat Shock protein HSP 90-alpha (Fragment).
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                                                                                                                                                                                  This SWISS PROF entry is copyright. It is probled for any a collaboration between the Swiss institute of Bicinformatics and the TWE constation. The Entropead Subinformatics Institute. There are a recommendation at some of the mongraphs of the months of the statement is not recoved. There may not the constant of the commence of send and this statement is not recoved. There may not the commence of send an email to increase agreement. See our problems of send an email to increase in the constant of send an email to increase in the constant of the 
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DI NOV 1997 (REL. 35, Last Sequence update)

ET 15 DEC 1997 (REL. 37, Last annotation update)

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1, Musmatches
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Best Local Similarity 42.9%;
Matches 3; Conservative i
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Milches Zi Conservative
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Plant Physiol, 97:366 374(1991).

C. FUNCTION: MAY PLAY A RCLE IN ALTERING THE PROPERTIES OF CELL
WALLE DIRING GERMINATURE GROWTH.

C. STEDNIT: GLIGOWER (BELLEVE) TO BE A PENTAMER BUT PROBABLY
HEXAMER: LBY SIMILARITY:

C. STEDLULIAR: GROWTH (BELLEVE) TO BE A PENTAMER BUT PROBABLY
HEXAMER: LBY SIMILARITY:

C. STRUCTURIAR: GROWTH (BELLEVE) TO BE A PENTAMER BUT PROBABLY
HEXAMER: LBY SIMILARITY:

C. STRUCTURIAR: GROWTH (BELLEVE) TO THE TIP. IN ROOTS AND DECREASED BY SALT
STRESS IN CLEAFFILE.

C. SIMILARITY: GELOWIS TO THE GERMIN FAMILY.

RINGERTO: DECREASED BY SALT STRESS IN ROOTS AND DECREASED BY SALT
C. SIMILARITY: GELOWIS TO THE GERMIN FAMILY.

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GRRZ HORVU STANDARD, PRT, 13 AA.
P28526.
01-052-1992 (Rel. 24, Last sequence update)
01-052-1992 (Rel. 24, Last sequence update)
16-0CT 202 (Rel. 24, Last annotation update)
26-0CT 202 (Rel. 24, Last a
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TISSUE=Stormach,
TISSUE=Stormach,
TISSUE=Stormach,
Favorei P. Regel J. Scolmoner D., Keller R., van Wormhoudt A.,
Favorei P. Regel J., Scolmoner D., Keller R., van Wormhoudt A.,
Favorei P. Regel J., Scolmoner D., Keller R., van Gastronnestinal
Peptings scontified with anythodies to gastrin/cholecystokinin.",
Piochinge J. S. V. L. P. W. 1941.
FROMESTICK PROCESSES IN CRUSTACENS
FROMESTICK PR. CASTRING PROCESSES IN PRACESSES.
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Burkman W.J., Tao B.P., Tanaka C.K.,
"Germin-like polypoptides increase in barley roots during salt
stress.";
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01-MAR-1992 (Rel. 21, Created.

01-MAR-1992 (Rel. 21, Last sequence update).

01-MAR-1992 (Rel. 21, Last sequence update).

02-MAR-1992 (Rel. 21, Last amoutation update).

03-Strin/Cho.ecyscokinin-like pebtide D1.

Nephrops norvegicus (Norway lobster).

Eukalyota, Metazca, Arthropoda, Glustacea; Malacostraca;

Eumalacostraca; Bucatida, Arthropoda, Pleocyemata; Astacidea;

Nephropoidea; Nephropidae, Mephrops.

11-TaxID=6829;
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Cuery March
Best Local Similarity 50.3%; Pred. No. 6.78-63;
Matches 2; Conservitive 1; Mismatches 1; Indels
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Pattnark P., Kaushik J.K., Grover S., Batish V.K.;
"Purification and characterization of a bacteriocin-like compound finchemin produced anaerobically by Bacilius licheniformis isolated from water buffallo ";
"The Medical Compound of the State of St
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Baccella: Firmcoutes; Bacillales; Bacillaceae; Bacillus.
NCBL_TaxID=1402;
-:- SUBJUIT: MODOFFE.
-:- SIMILARITY: BELONGS TO THE SERPIN FAMILY.
InterProc. IPROG.215; Serpin.
PROSITE; PSOG.284; SERPIN; PARTIAL.
Serpin: Serine professe inhibitor; Glycoprotein; Plasma.
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Antibiotis: Father coin.
SEQUENCE 12 AA: 1414 YW; :COSSECED4AEEB0 GFC64;
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SEQUENCE 10 AA; 1104 MW; 4225C73B1B187AA3 CRC64;
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50.0%; Pred. No. 7.5e+03;
tive 2; Mismatches 0;
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16-00T 2001 (Rel. 40, Created)
16-00T-2001 (Rel. 40, Last sequence update)
26-FEB-2003 (Rel. 41, Last amotation update)
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Best Local Similarity 50.00.
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Best Local Similarity 16.1.1
Mag 1, Conservative
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Ogquis rattus sp. 077912 oreochromis 077888 oreochromis 077883 oreochromis 077887 oreochromis

046012 clostridium 09p285 homo sapien

OS2112 acinetohact Q8gmv1 acinetobact Q8gmt8 acinetobact Q8gm12 acinetobact

C90wa2 gallus gall Q932u8 acinetobact

077910 creochromis

mins musculu

291yf5

O8qg51 xenopus lae Ogupe8 homo sapien C19690 homo sapien Q90493 eopsaltria

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SEQUENCE FROM N.A.

GOTSKI K., Huang X., Tseng S.-Y., Rattis F., Pardoll D., Tsuchiya H.,
Jondritho Cell regulation of DCLI "RNA expression.";
Submitted (OCT-1999) to the EMEL/GenBank/DDBU databases.

EMBL; AF192526; AAF04643.1;
MGD; VG12136650; DG11.

LECTIN.

NON_TER 9 9
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Marmalia, Eutheria, Rodemia, Schurognathi, Muridae, Murinae, Mus.
NCBL_TaxID.10090;
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01-NAY-2000 (TrEMBirel, 13, Last sequence update)
01-DEC 2001 (TrEMBirel, 19, Last annotation update)
C type lectin DCLI (Fragment).
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246012
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                                                  Mus musculus (Mouse)
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981LGA,
61 GCC 2001
01-CCT 2602 (
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 Query Match
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Q9QZAB;
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DT CL CO
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SEQUENCE PPOM N.A.
Kang H.S., Park Y.G., Jung H.M., Jun D.Y., Huh T.L., Kim Y.H.,
Kang H.S., Park Y.G., Jung H.M., Jun D.Y., Huh T.L., Kim Y.H.,
"Characterization of 1PA responsive genes in U937 cells using ordered
differential display PGR.7,
Submitted (JUL 2001) to the EXBL/GenBauk/DOSJ databases.
BNEL, AF401017, AAL017, 17.1,
NOW TEX
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Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,

Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,

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PACCA, Clade, Panilioldean, Andropogoneae, Zea.
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Mammalia, Eutheria, Erimates, Catarrhini, Hominidae, Homo.
NCBI_TaxID=9606;
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MEDINE=96134973. PubMed 8550460;
MEDINE=96134973. PubMed 8550460;
Charanterization of genes required for pilus expression in Freedommans synthman parhoval phasecilcola.";
D. Bacteriol, 1784410-417(1996).
M. Bacteriol, 1784410-417(1996).
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60.0%; Pred. No. 8.18+05;
ative 1; Mismatches 1; Indels
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281274.
0 OCT 2001 (TrEMBLAR). 22. (Treated)
01-0CT-2002 (TrEMBLAR). 22. Last sequence update)
01-0CT-2002 (TrEMBLAR). 22. Last sequence update)
01-0CT-2003 (TrEMBLAR). 22. Last annotation update)
Beta-expanin like protein (Fragrenc).
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61.DEC 2001 (TrEMBLrel. 19, Last sequence update)
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Homo sapiens (Human).
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Varkonyi-dasic E., White D W.;
Varkonyi-dasic E., White D W.;
"The White Clover empd40 benity, Expression harring of Two Types
of Genes Indicate a Rele in Vascular Publitude",
Plant Enysiol 1241107-1118 (2004)
Exmi, AF426440, AAM8 03711 - 17695 URBURBARE, CENTA,
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01-077 2002 [TrEMBine], 22, Last annotation uplifie.
Rarly nodurin end40-3.
Thifolium repers (Geeping white clover)
Bukaryita, Viridiplantae, Streptophyta, E-brysphyra, Brachophyta,
Speriatophyta, Magnollophyta, endirotyledons, one - ilroits, Rosinser,
enconds IT Fatales; Pabadeae, Papilionoldese, Difficient Trifollum.
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Pentimentalister, Pseudomonae
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01-NOV 1996 (TREMBLYEL) 01, Created.
01-NOV 1996 (TREMBLYEL) 01, Last sequence undated.
01-00T 2001 (TREMBLYEL) 18, Last annotation update.
01-00T 2001 (TREMBLYEL) 18, Last annotation update.
Nove process (Fraggest).
Novement Region of the Paris of Management of the Fraggest Region of Viruses, Heppadnaviridae, Office of Avitas NVRF TaxID 35269.
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27.4%) Score 20, 08 16, Despti 10:
Best Local Similarity 75.0%; Pred. No. 0.6e+04.
Matches 3, Conservative 1; Misharithes 0, 10:00:
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Tong S., Li C., Wands J.P.;
"Interaction between duck hepatitis B virus and a 170-kilodalton cellular protein is mediated through a neutralizing epitope of the pre-S region and occurs during viral infection.";
J. Virol. 69:7106-7112(1995).
SEQUENCE 13 AA: 197 MW, DC47BFED14BCD772 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLACV-199B (TrEMSLIE) 08, Creared: 01-NCV-199B (TrEMSLIE) 04, Last sequence update: 01-EE 2001 (TrEMSLIE) 19, Last annotation update: 15EMSLIED romplements glutamine synthetase deficien: strains (Fragment).
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Barel 1., Bignell 5., Simpson A., MacLonald D.;
Tsolation of a DKA tragment which complements glutamine synthetase dust of a DKA tragment which complements glutamine synthetase dust. Genet strains 6. p. pumbe.";
Curr. Genet 13:497-49411988;
RMEL; XC7978; GAA10789.1;
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DLOCA hepatinis B virus (DHBV)
VILUSES: Retroid virusos: Hepadnavirudae; Avihepadnavirus,
OLEMATINIS TAXID-12639;
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26.0%; Score 19; DB 3; Length 13;
Best Local Similarity 42.9%; Prec. No. 1.20+04;
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Eukaryota: Fungi: Ascomycota: Schizosaccharomycetes;
Schizosaccharomyne:ales: Schizosaccharomycetaceae;
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42.98;
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Ching A.S., Caldwell K.S., Jung M., Dolan Y., Smith C.S., Tinnov S.,
Ching A.S., Caldwell K.S., Jung M., Dolan Y., Smith C.S., Tinnov S.,
Morgante C.W., Rafaiski J.A.,
"SNP tergebox, haplotype structure and linkage disciplination in
#11.0 marze tabled lines."

#2. **Submitted fape 26021 to fee EMBL/GenBauk/1084 and disciplination
**SMPL, AND94108; AAM21834.1;
**NON_TER
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Sukaryota, Vindiplantao, Streptopnyla, Embryophyta: Lachedryla,
Spermatophyla, Magnollophyta: Lulisquida, Embres, Francae;
PACCAE clade, Fanicoldeae, Andropogine et lea.
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STRAIN-GV. TX600)
Ching A.S., Caldwell K.S., Jung M., Collin M., Smith J. Firry
Manganith W., Ratalski J.A.,
"SNP frequency, Laplotype structure on Linkigh instruction
cline maire infied lines.";
Submitted (APR-2002) to the EMBLAN-Hank [TBT 3] of the Hembil
EMBLA AVARANCES to the EMBLAN-HANK [TBT 3] of the HEMBIL
HOWLESS AVARANCES TO TAKE THE COLLINE CONTROL OF THE COL
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                                                                                                                                                                   Cuery March Ze.Dty Score 19, 18 19, 1901-00, Best Local Similarity 42,3%, Pred 189, 8,14-75; Attobes 3, Conservative 3, Miscalphos 19, 1001-18.
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GBLPT7.
G1-CT1-2002 (TrEMBLrel: 22, Created)
G1-CT1-2002 (TrEMPLrel: 22, Last Sequence update: C1-CCT-2002 (TrEMPLrel: 22, Last Sequence update: Effect Expansin like protein (Fragment)
                                                                                      9 AA, 977 MW, SCOSBUDGITONAAA CROH4;
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MHC class II B locus 1 (Fragment)
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Mammelia, Bellebius Brimates, Caratogos, emineroris, inclue
NOBI Taxio Belle
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ROMING N.A.
SCHOLLING SERVICE OF The BMBL/Georgian / Inches Scholling Control of the service Francia (ISSE) AAA62975.7.
SEQUENCE IT AA, 1137 MM, 5838-1178-FB4458F (Prince)
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01-NAY 1997 (TERMELIA), 01, Created)
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01-NAY 1997 (TERMELIA), 02, Last sequence update)
Secretogranum II (862.1) (Fragment),
Rattus norvegrous (Rat),
Euraspota) Melazca, Chordata, Cimilata, Vertebrata, Euteleosiom;
NAMMELIA, Eutherla, Rodentia, Schiroghath, Murinae, Rattus,
NCBI_TAXID=10116;
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Pseudotropheus sp. Pseudotropheus tropheops complex.

Sukaywra, Metacoa, Chorddan, Craniata, Vertebrata, Suteleostomi;
Adrianopterygii, Neopterygii, Teleostei, Euteleostei, Neoteleostei,
Adanthomotpha, Adanthopterygii, Percomorpha, Perciformes, Labroidei,
Cichildae, Eseudotrophous.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDINE-98315113, PubMed-9649539, McAndrew B., Vincek V., Majaga Trilo E., Zaleska Rizczynska Z., McAndrew B., Vincek V., Majaga Trilo E., Zaleska Rizczynska Z., McAndrew B., Vincek V., Elgoetea F., Sulmann H., Klein C., Minkaya F., Sulmann H., Klein C., Minkaya relationships and haplotype polymorphism among cichlid The class T.B. 2001. P. 2001
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24.7%; Score 18; DB 11; Length 11;
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01-07-2000 (Trembirel, 1s, Last sequence update)
01-07-2000 (Trembirel, 1s, Last annotation update)
02-2000 (Trembirel, 1s, Last annotation update)
02-3800 (Trembirel, 1s, Last annotation update)
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SQ SEQUENCE 12 As, 1394 MM. CLESARY-FLIGHTLAND CN-MA;
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Search completed: November 5, 2603, 18:53,39 Job time : 22.5 secs

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## AL LONMENTS

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Epitope, Timotope, human, imminoglobulin E; IgE; C-epsilon-2 domain, allergic disease, imminoprophylaxis, imminotherapy, antiallergic: imminosuppressive, vaccine, histamine release inhibitor, imminogen,
                                                                         mimutope peptide P15g SEQ ID NO:11.
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                   AAB25917 standard, Peptide, 13
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99GB-0007151
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Conjugate than as a vaccine for treatment of alleray, comprises
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 22-AUG-2000, 2000GB-0020708
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                                                                                                                                                                                   The present invention describes a peptide (1) compilering an isolated surface exposed group/epitope (8) of C-epstion 2 denain (2) of immunoalobulin E (1981, or its minotope Also described arc. (1) an immunoalobulin E (1981, or its minotope Also described arc. (1) an immunoalobulin E (1981, or its minotopersing) (1); (3) a logar) (10) of a vaccine (1); (4) a logar) (10) compilering (10) (1) a pharmaceutical composition (9) compilering (11) (1) and (2) a predicted (10) of a predicted (10) and (2) producing (11) (1) on the arc antial ergor and (2) producing (11) (1) and (11) are useful in redictine and in the manufacture of reducing (11) (11) are useful in redictine and in the manufacture of reducing (11) are useful in redictine and also in manufacturing medicating for treating and also in manufacturing medicating puritication of curvilating and also in diagnosing and in the affinity puritication of curvilating and a patient susceptible to or sufficiently intradicting produces which are used in the exemplification of the present produces.
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                                                           Mason Sy
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                                                         van Medhelon MP, Vinals De Bassols VO.
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                      SMITHKLINE BEBCHAM BICLOSICALS.
PEFTION THERAPBUTICS LTD.
                                                         Friede M, Greenwood J,
Turnell WG, Van Medie
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                                                                                                                                                                  Claim 14; Page 9; 129pp; English
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PR-PFF 2000: 260008-0004096.
Ex ANG 2000: 200008-0020707.
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(e.g. macrocalceules, polymers, defaditimers, processins) to produce biological and immunological constructs. The invention provides a method for linking an epitope (e.g. a peptide) to a carrier (e.g. a protein) for use in a pharmaceutical composition or a vaccine. The invention describes peptides derived from or mimotopes of the linking are produce conjugated compounds. The compounds or compositions of the invention are useful in the manufacture of a compositions of the invention are useful in the manufacture of a compositions of the invention are useful in the manufacture of a compositions of the invention are useful in the manufacture of a compositions of the invention are useful in the manufacture of a protein so as to form an immunogenic conjugate which may be able to protein a protective antibody response in an animal or human patient. AAU16613 represent peptides derived from or minotopes of the Cepsilon2/Cepsilon3/Cepsilon4 region of human 196.
                                                                                                                                                                                                                                                                                                                A linkage comprising an immunogenic conjugate useful treatment of 195
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100.0%; Pred: No. 5.86-05; McTatches 0; Indels
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(SMIK : SMITHKLINE BEECHAM BICLOGICALS.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 4; Page 21; 48pp; English
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0.00H. 0004151.

0.00H. 001053.

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                                                                                                         present invention.
                                                                                                                                         .3 A.A.;
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29-83P 1999,
07-83P 1999,
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07-84D 1999,
07-83P 1999,
29-001-1999,
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                                                                   The present invention relates to conjugates suitable to the one on vantines, where the conjugate comprises a dissibility thirdy, by these pertinds and an immonogenic carrier. The vaccines can be seed in the transmitted and allorates. The present sequence is a cyclic periode and object delived from human immunoglobulin B (198) suitable for use in the insention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Immunoglobulin B. 198; immunogenic, immunogen; Pritein D. Faitien; prosate carcer, Hacrophlius influenzae; vaccine, infect, a disease; malaria, cyrestatic, antiallergic, nooticjic, neurițiuleriivi proteciul, cyrestatic, afisease, alleray.
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Pest Local Similatity 100.0%; Pred No. 5 80-09,
Matches 13, Conservative 0; Mismatches 0; Indian
   THE TRANSPORT OF THE PR
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 dissifude bridge cyclized peptide and
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                                     Page 11; 45pp; English
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9938-0004408.
9908-0004412.
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25 FEB 1999,
13 ATG 1999,
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preventing and treating infectious diseases such as malaria or chronic disease such as cancer, Alzherek's disease or allergy in a patient. Unlike prior art immingens, (1) induces high levels of antipeptide immune responses while inducting a moderate humoral response against the carrier. The present sequence represents a specifically claimed mimotope peptide sequence, which can be used in an immunogen of the
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domain from immunoglobulin \mathbb{E}
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allergic disease, immunoprophylaxis, immunotherapy, antiallergic;
immunosuppressive, varcine, histarine release inhibitor, immunogon;
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(5) a puptinge (1a) capable of being recognised by (19), and similar comprising (1a), and (7) producing (11). By purchasing (1a) and (7) producing (11), by purchasing (1a) and similar and imminosuppressive activities, and can be used as a vocable and nisterine release inhibition. (1) and (11) and (11) are used in medicine and in the manifacture of medicine (10) treating as a partial and provide (1a) and (11) and (11) are useful in diagnostics and in the 4ffinity purification of circularing and 1a) is useful in diagnostics and in the 4ffinity purification of circularing anti-1gE antibodies from cioda (1), (1) and FC are useful for treating a partial shadon on self-singly (19) and and alleging (19) and and alleging the example (10) and (10) a
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WG, Van Mechelen ME,
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Turnell WG,
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Marches 12, Conservative
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20 WAF 1910,
27 WAY 1990,
27 MAY 1990,
20 AUS 1990,
27 CCT 1900,
21 NOV 1990,
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Randall R
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AARLS 91.6
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The present invention describes a peptide (1) corprising an isolated immunoglobaline 1 (1) of Cepsilon-2 domain (1) of financhoglobiline 1 (195) of Cepsilon-2 domain (1) of the manneglobiline 1 (195) of its miniotope. Also described are: (1) an immunoglobiline 1 (195) of the manneglobiline (1) of the area of allery comprising (1); (2) a vaccine (1); for treating alleryies comprising (1); (3) a ligand (10) capable of the manneglobiline (10) comprising (10); (4) a pharmaceutical composition (10) capable of the manneglobiline (10) an immunol-1 (1) a section of the manneglobiline (1); (1) by producing (11); by producing (11); or have antiallorged and immunosuppressive activities, and can be used as a vaccine and best and immunosuppressive activities, and can be used and preventing alleryies (10); (11) and (11) are useful in medicine and also in manfacturing medicaments for treating and preventing also in manfacturing medicaments for treating of (1); and of the area of the contribution of the contribution of the contribution and also in manfacturing medicaments for treating of (11); and (12) are contributed to the contribution and also in manfacturing and in the affinity medicine and also in manfacturing and in the affinity medicine and also in manfacturing and in the affinity of the affinity o
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Matches 12, Conservative
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to g, macromolecules, polymers, dendries, proteins to produce building and imminological constructs. The invertion provides a protein and imminological constructs. The invertion provides a protein describes paptides derived torgestion or a vicinic. The invertion describes paptides derived from or rimorings of the Cepsilons of Capsilons of Empirical compositions of the invention are useful in the manufacture of a medical or controlled conjugated composition. The recent on a medical or controlled conjugated derived the invention of a profession of the invention of a profession of the manufacture of a medical or controlled conjugated or profit or profession of a profession of the manufacture of the invention of a profession of a mineral or the invention of a profession of a mineral or the manufacture of the conjugated profession of a mineral or the cepsilon2/Cepsilon3/Cepsilon4 region of human is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A linkage comprising an immunogenic continute no for treatment of 198 mediated diseases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention relates to linkage methodourly for use in the nonucation of compounds (e.g. poptides) to marrier reliables (e.g. mauromolecules, polymers, dendrimens, professed in the proposal constitucts. The invention provides another for linking an epitope (e.g. a peptide) to a fatter e.g. a protein for use in a pharmocentical composition of a varier e.g. a protein describes peptides derived from enforcing the of the invention describes peptides derived from enforcing estimation.
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                                                                                                                                                                                                                           67.7%; Score 64; [H.22; Longe, 19, 100.0%; Pred, No. 0 0015; ive 0; Mismatches 5; [L.bells
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(SMIK ) SMITHKLINE BEECHAM BICLOSITALS
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2000GB-0004096.
2000GB-0020707.
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14 CONFIGURATION 12
                                                                                                                                                                                                                                     Local Similarity 100.
48 12: Conservative
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                                                                                                                                                                                                     Sequence 13 AA
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20-AUG-2000;
22-AUG-2000;
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Cepsilon2, Cepsilon3 or Cepsilon4 regions of human immunoglobulin E
ligE) which are used to produce conjugated compounds. The compounds or
compositions of the invention are useful in the manufacture of a
nedicament for the treatment of igE mediated diseases. The invention
allows for controlled conjugation of a peptide epitope (antigen) to a
protein so as to form an immunogenic conjugate which may be able to
protein so as to form an immunogenic conjugate which may be able to
halled? AAU1642 AAU1693 represent poptides derived from or human patient
the Cepsilon2/Capsilon3/Cepsilon4 region of human lgE.
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106.3%; Pred. No. v..
... 0; Mismatches
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Thes 12, Conservative
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22-AUG-2000, 2000GB-0020717.
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Best Local Similarity
Thes 12: Conserve
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                                                                  WPI; 2002-489648/52.
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                                                                                                                                                                                                                                                                                                                   The present invention relates to conjugative satisfies for use in vaccines, where the conjugate comprises a disalphide bridge cyclised piguide and an emmission catalogue. The vaccines can be used in the true-ment of all allergies. The present sequence is a periode immission derived the human immission. It is 1955 suitable to be cyclised and used in the invention.
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                                                                                             Immunogen; human; igE; immunoglotalin E; alleray, inch etter linkage;
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                                                                                                                                                                                                                                                                                                                                                                                      Conjugate for use in vaccine for treatment of altering, its distillate fridge cyclized peptide and imministration fration
                                                                                                                                                                                                                                       Vinals bassals
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                                                                            Human 19E immunogenic peptide SEQ 1D NO.
                                                                                                                                                                                                            (SMIX ) SMITHKUINE BEBCHAM BIOLOGICALS (PEPT-) PEPTIDE THERAPEUTICS LTD.
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Best focal Similarity 100,0%; Fr
Matches 12, Conservative C:
                         ABJU0224 Standard, Peptide: 13
                                                                                                                                                                                                                                                                                                   Claim 4; Page 9; 45pp; English.
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                                                                                                                                                                                            22-AUG-2000, 20000B-0020717
                                                                                                                                                                           17-AUG-2001; 2801WO-EP09576
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                      1 CLEDGOVMBVDL 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       vaccine, antiallergio.
                                                                                                      vaccine, antialiergic.
                                                                                                                                                                                                                                      Friede M. Mason S.
                                                                                                                                                                                                                                                         WPI; 2002-489648/52.
                                                                                                                                                                                                                                                                                                                                                                       Sequence 13 AA;
                                                                                                                                         W0200216403-A2
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                                                                                                                        Home sapiens
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                                                           02 SEP 2002
                                                                                                                                                         28 FEB: 2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABC00226;
                                          ABJ00224;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT: 1
       RESULT 10
                ABC00224
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The present invention relates to conjugates suitable for use in vaccines, where the conjugate comprises a dissiphide bridge cyclised peptide and an immingenic carrier. The vaccines can be used in the treatment of allergies. The present sequence is a peptide imminogen derived from human imminoglobulin E (19E) suitable to be cyclised and used in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Saps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Epitope, mimotope, human, immunogiobulin E, IgE, C-epsilon-2 domain,
allergic diseasy, immunoprophylaxis, immunotherapy, antiallergic,
immunosuppressive, vaccine, histamine release inhibitor, immunogen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Dyson M. Filder M. Greenwood J. Hewitt E. Lamont A, Mason S.
Ramiall R. Torrell WG. Van Mechelen MP. Vinals De Bassols YC.
                                                                                                                                                                                                                   Conjugate for use in vaccine for treatment of allergy, comprises disulfide bridy/ cyclized peptide and immunogenic carrier -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                              Vinals Bassols YC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          87.7%; Score 64; DB 23;
100.0%; Pred. No. 0.0015;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.
(PEPT ) PEPTIDE THERAPEUTICS LTD.
(SMIK.) SMITHKLINE BESCHAM BICLOGICALS. (PEPT.) PEPTIDE THERAPEUTICS LTD.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB25929 standard; Peptide; 10 AA
                                                                                              Turnell WG,
                                                                                                                                                                                                                                                                                                                  Claim 4; Paye 9; 45pp; English.
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996B-0007151.
990B-0010537.
990B-0010538.
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9908-0021046.
9908-0021047.
9908-0025619.
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linkage comprising an immunogenic conjugate useful treatment of 195
                                  Example 4; Page 21, 48pp; English
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                                                                                                                                                                                                                                                                                                    Local Similarity 100.
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           diseases
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            mediated
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ABC00228
                                                                                                                                                                                                                                                                                                                  Watches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes a peptide (1) computating in solated surface exposed group/epitope (2) of C epition-2 demain (2) of immunoglobulin E (196), or its minotopo, Also described are; it an immunoglobulin E (196), or its minotopo, and or described are; it an immunoglobulin E (196), or its minotopo, and a vaccine (11) for treating allergies comprising (12), (3) a 1990d (10) capable of the manaceutical composition (10) capable of (11) and (11) by producing (11), (3) a peptide (13) and (7) producing (11) by producing (11), (1) can have antial region of (7) producing (11) by producing (11), (1) and (11) are useful in medicine and in the manufacture of medicaerins for treating and vaccine and also in manufacture of medicaerins for treating and also in manufacture of medicaerins producing participation (1) in medicine and also in manufacture of medicaerins for treating allergies. (1) is useful in diagnostics and in the affinity purification useful for treating and patient susceptible to consultating from allergies. (10) is also useful in diagnosing doppy, AARSS907 to AARBSC09 sepreesent (10) peptide sequences which are used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                             ö
Human, linkaje technology, conjugated campeaud, carries vehicle; epitope, Cepsilon2, Cepsilon3, Cepsilon4, immuniji bilin Bo
195 mediated disease, antibody response.
                                                                                                                                                                                                                                                                                                                                                  69.9%; Score 51; RH 21; Longth LC;
100.0%; Prod. No. 0.12;
Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Peptide Pist derived as mimotope of departure in pro-
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                                                         Disclosure; Page 9, 129pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21-DEC 1993; 99GB-0030233.
22-FEB-2000; 2000GB-0034096.
22-AUG-2000; 2000GB-0020707.
22-AUG-2000; 2000GB-0020708.
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                                                                                                                                                                                                                                                                                                                               Sequence
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                        conjugation of compounds (e.g. peptides) to darrier vehicles

(e.g. macromolecules, polymers, dendrimers, proteins) to produce

bloiggical and immunological constructs. The invention provides a

method for linking an epitope (e.g. a peptide) to a carrier (e.g. a

protein) for use in a pharmaceutical composition or a vaccine. The

content of a control of the invention or mimotopes of the

compositions of the invention are useful in the manufacture of a

compositions of the invention are useful in the manufacture of a

medicament for the treatment of 1ge mediated diseases. The invention

allows for controlled conjugation of a peptide epitope (antigen) to a

control of or man immunogenic conjugate which may be able to

raise a protective antibody response in an animal or human patient.

AAU:6612-AAU:16911 represent peptides derived from or mimotopes of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
in the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ز.
present invention relates to linkage methodology for use
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        69.9%; Score 51; DB 22; Length 10; 100.0%; Pred. No. 0.12;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    the Cepsilon2/Cepsilon3/Cepsilon4 region of human IgE.
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(PEPT-, PEPTIDE THERAPEUTICS LTD.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Immunogen; indant 195; immunoglebalin 5; alletin; fur: erler lindage; vancine; antiallerdic; cyclic.
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                                                                                              March Similarity 100.0%, Spore El. 158.73, Tenire E. 100.0%, Pref. M. Cilo. Follower P. Conservative G. Mismarchie C. 11. Polices
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Sequence 16 AA
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Search completed Movember 5, 2004, 19 01:37 Job time : 24.5 secs

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Putlished Applications AA:

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Gapop 10.0 , Gapext 0.5
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NESCUT 6
US-10.144 194 F.
US-10.144 194
FEMILOAN NO. US-10.44183
FEMILOAN NO. US-10.102.24
GENERAL INFERMATION
FAPELICANI PERENAL SPINAL
APPLICANI PERENAL PRIMARE
APPLICANI PERENAL PER B.
APPLICANI PERENAL PER B.
APPLICANI PER 
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US-1C 144-188-55
US-1C 144-188-55
FORGEROOD SS.0.90170212A1
FORGEROOD No. US20.90170212A1
GENERAL INFORMATION
FORGEROOD NO. US20.90170212A1
FAPLICANT: Cacksor, Michael R.
APPLICANT: Cacksor, Michael R.
APPLICANT: Cacksor, Michael R.
APPLICANT: Roog, Yes
APPLICANT: Roog, Yes
APPLICANT: Roog, Yes
APPLICANT: Begraw, Usit
APPLICANT: Begraw, Usit
APPLICANT: Borres Usit
APPLICANT: Cacksor, Michael R. Vivo Esiming For Generating Cytotoxic T Lymphocytes Specific
TITLE OF INVENTION: Per No. US20.00176212A1 Tumor Antigens To Treat Autoimmune And
FILE REFERENCE: PRICOLO GET-162
CUBRENT APPLICATION NUMBER: US/20/144.188
FRIOR APPLICATION NUMBER: Es/201.30
FRIOR APPLICATION NUMBER: Es/201.30
FRIOR APPLICATION NUMBER: Es/201.30
FRIOR FILING DATE: 202 05-15
SEQ ID NO SEC 10 NO SEC 
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                                                                                                                                                                                                                                         Query Match
Best Local Similatify (100.0%) Pred. No. 5/8e+05/9.
Matches 9, Conservative 0/ Mismatches 0/
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ORGANISM: Artificial Sequence
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/ ORGANISM: Homo sapiens
US-10-372 076-127
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TITLE OF INVENTION: IMMUNOSHIC BBC BURE FASTITES TABILITES WITH AN N TERMINAL ON
THE OF INVENTION: 10 JS. 0 454/45124
THE REPRESENTATION IN STATE CALL STATE C
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FILE REFERENT E. 4564/87179

"TOPPENT APPLICATION NUMBER: US/10/372,026

"TOPPENT FILING CATE: 2003 02-21

"REIGH FAILNG CATE: 2003 02-22

"BEIGH FILING DATE: 2024-02-21

"BEIGH FILING DATE: 2022-02-22

"NUMBER: 10/082,014

"SUFFWRE: SEC ID NUS: 308

"SUFFWRE: SEC ID NUS: 308

"SUFFWRE: 2010 NUS
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Best Local Stationtly (ab. %) Prof to
Mictaes 9) (Constructive 4, Michola
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4.80ANISN: 85m0 saptems
13.10 081 014-2-3
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GROANISK BOTO BAPTONS
US 10 192 (78 136
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ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIBR & NEUSTADT,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDINY TYPE: Floppy disk
COMPUTER: IBM PC compatible
OMPUTER: TOO SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CUPRENT APPLICATION DATA:
APPLICATION NAMBER: US/09/925,442
FLING IMPE: 10-Aug-2001
CLASSIFICATION: *URKNOWD:
           DENERAL INCORMATION:
APPLICANT: INCOYE, Satusby
TILE OF INVENTION: Luciferase and Protoprotein
FILE DEFENSION: 206497US9
CURRENT APPLICATION NUMBER: US/09/842,164
CURRENT FILING DATE: 2001-64-26
PRIOR FILING DATE: 2000 04 26
NUMBER OF SEQ ID NOS: 24
SOFTWARE: Patent In version 3.1
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        P.C.
STREET: 1755 S. CEFFERSON DAVIS HIGHWAY
                                                                                                                                                                                                                                                                                                                                                                                                                                                             38.4%; Score 28; DB 10;
71.4%; Pred. No. 5.8e+05;
iive 1; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 09/017,947
FILING DAIE: «Unknown»
ATTORNEY/AGENT INFORMATION:
NAME: CBLON, NORMAN 24,618
REFERENCE/DOCKET NUMBER: 24,618
TELECCMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                         LOCATION: (1).7(7)
CTHER INFORMATION: PRT, 35 KDa protein, partial
US-09-842-164-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KCCK, MICHAEL
FRITZINGER, DAVID
TILE OF INVENTION: RECOMBINANT PROCUF
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: VCGEL, CARL WILHELM BPRICEST, REINHORST
                                                                                                                                                                                                                                                                                   TYPE: PRT
CRGANISM: Oplophorus gracilirostris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3, Application US/09925442
Parent No. US2020103346Al
GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
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Best Local Similarity 71.4
These Si Conservative
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STATE: VA
US20020102687A1
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ZIP: 22202
                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: MISC_FEATURE
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CRGANISM: Arabidopsis Thallana
CTHER INFORMATION: Sequence located in TAVA II R TALLE (TI) AND AVA
US 69 572 2704-1886
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CTHER INFORMATION: Sequence located in (AVA-P) OR TAULOUSED
US 09 572-270A-1084
                                                                                                      Query Match 46.6%; Score 34, Fe 12: Leptin 15. Best Local Similarity 100:0%; Pret. No. 17; Matches 7; Conservative 0: Mismatches 3; Infels
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Bost Local Similarity 71.4%; Pred. No. 1.12+107;
Matches 5; Conservative 2; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Proteom Ltd
TILE OF INVENTION: Inter- complementary peptide limited
FILE PEREARCH:
CURRENT APPLICATION NUMBER: US/09/572,270A
CURRENT FILIND DATE: 2000-05-17
NUMBER P FILID DATE: 144
SUFTWARE: ProtParent version 1.0
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TITLE OF INVENTION, Inter complementary persode Libra
FILE REFERENCE:
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CURRENT FILLING DATE: 2000-05-17
NUMBER OF SEQ ID NOS: 1144
SOFTHWARE: PROLPALENT VERSION 1.0
SEQ ID NO 1086
LENGTH: 10
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Sequence 1086, Application US/09572270A
Publication No. USZCG03146368A1
GENERAL INFCRMATION:
                                                                                                                                                                                                                                                                                                                                                    Sequence 1084, Application US/09572276A Publication No. US20010148368A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MESCIT 9
US-09-842-164-12
F Sequence 12, Application US/09842164
                       ; FEATURE,
; CTHER INFORMATION: Peptide antigen
US-10-144 189-60
ORGANISM: Artificial Sequence
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Matches 5, Conservative
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CURRENT APPLICATION NUMBER: US/10/156,922
FRIOR APPLICATION NUMBER: US/10/10/4691
PRIOR APPLICATION NUMBER: UP 2000-166903
PRIOR FILING DATE: 2001-06-04
PRIOR FILING DATE: 2001-06-04
PRIOR FILING DATE: 2001-06-05-05
PRIOR APPLICATION NUMBER: UP 2001-147340
PRIOR APPLICATION NUMBER: UP 2001-171175
PRIOR PELING DATE: 2001-11-13
PRIOR FILING DATE: 2001-11-13
PRIOR FILING DATE: 2001-12-05
FRIOR FRIEND FRIOR PARTICIPATION NUMBER OF SECTION NUM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                34.2%; Score 25, 08.15, Length 10, 80.0%; Pred. No. 5.6e+00; strive of Mismatches I; Indels
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1 COGATION 7
2 CTHEP INNEWALTICN: XAA = Any Amino Acid
US-10-155-973 72
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US. 09-863.0458-77
US. 09-863.0498-77
US. 09-863.0498-78
US. 09-863.0498-78
US. 09-863.0498-78
US. 09-868-78
US. 09-
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                                                                                                                                                                                                             US-10-155-922-72
Sequence 72, Application US/10155922
Publication No. US20(+008685A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Poustka, Annemarie
Lewis, Fichard A
Levy, Misse
Heiss, Nina
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APPLICANT OKA, YUTKO
APPLICANT TSUGA, HEKARI
APPLICANT TSUGA, HEKARI
APPLICANT TSUGA, HEKARI
APPLICANT Shinagawa, TOKO
APPLICANT Shinagawa, TOKO
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Best Local Similarity 80.00
An Conservative
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Israel, Alain
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2 CPSEGSVLD 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Foctoom Ltd

TITLE OF INVENTION: Complementary peptide Tijdons (1 ° 10, dumin Pronte

TITLE OF INVENTION: Complementary peptide Tijdons (1 ° 10, dumin Pronte

TITLE SERENDE Heman patent

CURRENT APPLICATION UNRBER US/C9/5"; 464R

CURRENT FILLING DATE: 20C0.05.17

WINNER OF SEQ ID NCS: 4203

SEQ ID NC 2933

LENGTH: 10
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Best Local Significating 50.0%; Pred: No. 1.80*0...
Marches 5, Conservative 2, Mormatches 3, 10.015
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Best Local Similarity 44.4%; Pred, No. 3 Hestly,
Matches 4, Conservative 2, Mismatches 3, Telels
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US 09-562-15.

Sequence 1. Application US/0986215.

PRODICATION NO. USZ0030092746A1

SEQUENCE 1 NO. USZ0030092746A1

SEPELICANT: Hapter, William K.

APPLICANT: Delaszlo, Stephen E.

APPLICANT: Natenaszlo, Stephen E.

FILE REFERENE: 20698

COPRENT APPLICATION NUMBER: US/09/661.15;

CORRENT APPLICATION NUMBER: G0/206.18;

FRIOR FILING DATE: 200-05-22

NUMBER EL SEQ ID NOS: 4

SOFTWARE: PARISEC for Windows Version 4 %

SOFTWARE: PARISEC for Windows Version 4 %
MCLECULE TYPE: peptide SECUENCE DESCRIPTION: SEQ ID NO: 3: 35: 925-442.3
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Fublication M., CS20030078374A1
GENERAL INFORMATION:
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ORGANISM: Homo Sapiens
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TYPE: PRT
PRCANISM: Home sapiens
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US-09 577 4:48-7383
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TITLE C. INVENTION: Diagnosis and Treatment of Medica. Ind.Fluns Associated with Deficite De INVENTION: NFRAPPA B (NF-kB) Activation
File Reference: HD-PC1961US1
CURRENT APPLICATION NUMBER: US/09/965,049A
CURRENT APPLICATION NUMBER: US/09/965,049A
CURRENT FILING DATE. 2001-05-22
PRIOR APPLICATION NUMBER: US 60/206,22*
PRIOR APPLICATION NUMBER: US 60/206,22*
SUFTWARE: Patentin Version 4.1
SEC 10 NO ??
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Sequence 34 Application US/0983984
Sequence 34 Application US/0983984
Setem No. US20202073921
APPLICANT Abbesoid, Rudol H
APPLICANT Abbesoid, Rudol H
APPLICANT G91. Steven
APPLICANT G92. Steven
APPLICANT South C
APPLICANT B19. Gene
APPLICANT B19. Gene
APPLICANT B19. Gene
APPLICANT NUMBER: South C
APPLICANT NUMBER: South C
APPLICANT B19. Gene
APPLICANT B1
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LOCKSTICOS, D.10
OCKSTICOS, D.10
CHERR INFORMATION: residue.
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Best Local Similarity 80.0%; Pred. No. 1 Georg.
Marches 4) Conservative 1; Mismar-Less, Liberth
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Best focal Similarity 66/74
Matches 4, Conservative
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? EVDCC 11
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CESANISM: yess
FEATURE:
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CRGANISM: Human
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10, App. 114, App. 125, App. 25, App. 25, App. 38, App. 38, App.

Sequence

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Sequence Sequence 32, App. 13, App. 19, App. 13, App. 19, App. 19, App. 2346, App.

Sequence

Sequence Sequence Sequence

Sequence 13, 7 Sequence 19, 7 Sequence 19, 7

Sequence

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Sequence 13. Application US/20057897
Patent No. 6300476
GENERAL THFORMATION:
GENERAL LU, Anthony V.H.
APPLICANT: Lu, Anthony V.H.
APPLICANT: Name, Regina W
TITLE OF INVENTION: Ant. Peptide Antibody Against Human
TITLE OF INVENTION: About Peptide Antibody Against Human
NUMBER OF SEQUENCES: 36
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US-09-127-815D-6
US-09-127-815D-10
US-09-127-815D-14
US-09-127-815D-13
US-09-127-815D-13
US-09-127-815D-25
US-09-127-815D-25
US-09-127-815D-25
US-09-127-815D-25
US-08-38-46-38
US-08-38-46-38
US-08-897-38
US-08-617-929-32
US-08-617-929-32
US-08-617-929-32
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US-08-617-929-32
US-08-617-929-32
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US-08-26-19
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ANDRESSE: Metck & Co., inc.
STREET: F.G. Rox 2000
CITY: Rahway
STATE: Kl.
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TYPE: amino acid
STRANDEDNESS: single
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Best Local Similarity 63.6
Matches 7, Conservative
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MOLEGUE TYPE: poptide
US-09-057-897-13
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1    / Ggn2_6/ptodata/1/laa/5A.CMWP prg.*

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1    / Ggn2_6/ptodata/1/laa/6A.CMM.prp.*

4    / Ggn2_6/ptodata/1/laa/6B.CMM.prp.*

5    / Ggn2_6/ptodata/1/laa/8B.CMM.prp.*

6    / Ggn2_6/ptodata/1/laa/Ara/6T.E.CMM.prp.*
                               GenCore version 5.11.6
Capyright (c) 1993 7003 Compagne Lid.
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Maximum Match 100%
Listing first 45 surraites
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Gapop 10.0 , Gapext 0.5
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length: 13
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Maximum DS seq
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| Patent No. 5773245
| GENERAL INFORMATION: GENERAL MILHER OF INVENTION: CARL WILHELM FILTE OF INVENTION: CNA ENCOUNCES: 81
| CORRESPONDENCES: 820 CALLIAND, MAIER & NEUSTADI, MAIER & NEUSTAD
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MORDIDM TYPE: Flopey disk

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FILE REPERENCE: 2064970S0
CURRENT APPLICATION NUMBER: US/09/842,164A
CURRENT FILING DATE: 2001 C4-26
PRIOR FILING DATE: 2000-1250S3
PRIOR FILING DATE: 2000-04-26
NUMBER OF SEQ 1E NOS: 40
SEQ 10 NC 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                       ) TYPE: FRT
) ORGANISM: Oplophorus gracilotostris
US-09-842 164A-12
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Patent No. 5773243
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Best Local Similarity 71.4
Matches 5, Conservative
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US-08-447-411-46
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                                                                                                                                        Parent No. 6174687

GENERAL INFORMATION

GENERAL INFORMATION

APPLICANT: Rucolabit, Brik.

APPLICANT: Rajoine, Daniel

TITLE OF INVENTION: Methods of identifying Hang Hang Hang Hang Hang

TITLE OF INVENTION: Methods of identifying Hang Hang Hang Hang

TITLE OF INVENTION: Methods of identifying Hang Hang Hang Hang

TITLE OF INVENTION METHOD DEPOSITE SET OF OUR SET OF SET 
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APPLICANT ROSEABIT, Erkki
APPLICANT ROSEABIT, Renata
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ITTLE OF INVENTIVE TISSUES
ITTLE PEPERBORD FOLD 892
CURRENT APPLICATION NYPER 18/09/44,1 7
CURRENT APPLICATION 1976 1 15
CURRENT PILLUM FATEL 1998 1 15
SEPTIMABLE SECTION 803 436
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SEPTIMABLE SECTION 803 436
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    OTHER INFORMATION: Description of Attailoral September Synchrotic
US 09 042-170-36

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TITLE (F INVENTION: LUCIEERASE AND PERTURE TELM
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INS 09 842 CA4A LU
SEQUEDELLE DS/09842164A
PARENT NC 644754
CONFRAL INFORMATION
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Farences (5) 6252287
GENERAL INFORMATION:
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Rest Chas. Shoularity 100.
Matches is Conservative
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Pest Cocal Similarity 100.
Matches 3: Conservative
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ПS 09 258 254-36
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Patent No. 5824492
GENSRAL INFORMATION:
APPLICANT: Elles, lan Donald: Fry, Michael Lonn; Chand, Ritu APPLICANT: Elles, lan Donald: Fry, Michael Derek; Parker, Peter APPLICANT: Sala; Waterfield, Michael Derek; Parker, Peter APPLICANT: Stefano; Gout, Lyan Tarasovitch
TITLE OF INVENTION: EQUEPERIDES HAVING KINASE ACTIVITY,
TITLE OF INVENTION: THEIR PREPARATION AND USE NUMBER OF SEQUENCES: SO
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM PC: DOS
COPRINTING SYSTEM: PC: DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
                                                                                 COMPUTER READBLE FURN.
MEDIUM TYPE: Floppy disk
COMPUTER: BM fl compatible
CPERATING SYSTEM: PC DOS/MS:DOS
SCFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION UNDSEP: US/05/617,947
FILING DATE:
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                                                                                                                                                                                                                                                                                            FILING DATE:
CGASTBCCATION:
FRICE APPLICATION DATA:
APPLICATION NUMBER: US 08/662,227
FILING DATE: 14. UNIN 1996
ATTORNEY/ADENT: NEGRATION:
NAME: OSLON, NCRMAN F.
REGISTRATION NUMBER: 24,618
REPRECOMMUNICATION: 126-5107
TELEPHONE: 703-413 3000
TELEPHONE: 703-413 3000
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SEQUENCE CHARACHERISTICS:
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PRICR APPLICATION DATA,
APPLICATION NIMBER: PCT/CB93/00761
FILING DATE: 13 April 1993
ATTCRNEY/AGENT INYORMATION:
NAME: Pasqualini, Patricia A.
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FILING DATE: February 7, 1994
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STREET: 805 Third Avenue
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Best Local Similarity 50.0°
These 5; Conservative
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TOPOLOGY: linear
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New York
RY: USA
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STATE: VA
COUNTRY: US
ZIP: 22202
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US-08-162-0818-13
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CITY: No
STATE:
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US 06 -662-27 3
Sequence 3, Application US/2866227
Patent No. 592.32
Patent No. 592.32
Patent No. 592.32
APPLICANT: WOREL, GARL-WILHELM
APPLICANT: WOREL, MICHAEL
APPLICANT: ROCK, MICHAEL
APPLICANT: RETZINGER, DAVID
TITUE CF INVANTION: RECOMBINANT PROCYF
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: CBLOW, SPIVAK, NCCLELLAND, MAIER & NEGRIALT.
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ADDRESSE: P.C.
STREET: 1758, JEFFERSON DAVIS HIGHWAY
(1TW: ARLINGTON
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MEDIUM TYPE: Floppy disk
COMBUTER: How you will have been all a compatible
COMBUTER: How you will have been all a compatible
COMBUTER: THE PC DOORSTUD.
SOFTWARE: PATCHIN NOWERE: US/05/662,227
APPLICATION NOWERE: US/05/662,227
FILING DATE: 14-JUN-1996
CLING DATE: 14-JUN-1996
ATCHENG DATE: 13-JUN-1996
ATCHEN
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Cool Enclanty 50.0%, Pred. No. 16.
es 5, Conservative 2, Miscalcher
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STREET: 1755 S. JEFFERSON DAVIS HIGHMAY
CITY: APLINGTON
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APPLICANT: BREDEHORST, REINHORST
APPLICANT: KOCK, MICHAEL
APPLICANT: FRITZINGER, DAVID
INTE OF NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
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Sequence 3, Application US/03017947
Parent No. 6303754
GERERAL INFORMATION:
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1 EDGFIADSD: 10
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Best Local &
Matches s
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Gaps
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Sequence 13, Application US/0908957

Parent No. 627-132

GENERAL INFORMATION

APPLICANT: Hiles, Lan Donald, Fry, Michael John; Dhand, Ritu

APPLICANT: Bala, Waterflead, Modes Derek, Parker, Peter

APPLICANT: Bala, Waterflead, Modes Derek, Parker, Peter

APPLICANT: Stefanc: Sout, Ivan Paragovitch

TITLE OF INVENTION: PCLYPETIOES HAVING KINASE ACTIVITY,

TITLE OF INVENTION: PCLYPETIOES HAVING KINASE ACTIVITY,

TITLE OF INVENTION: PCLYPETIOES HAVING KINASE ACTIVITY,

TITLE OF INVENTION: THEIR PREPARATION AND USE

NUMBER OF SEQUENCES: SO

CORRESPONDENCE ANDRESS:

ADDRESSEE FOR THIS AVENUE

STREET: PS THIS AVENUE

COTTY: New York
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              S: Diskette, 5.25 inch, 360 kb storage
IBM PS/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3; Mismatches
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APPLICATION NOMER: 08/790,872
FILING DATE: 0.2AN.1997
APPLICATION NUMBER: 08/162,081
FILING DATE: Ebbruary 7, 1994
APPLICATION NUMBER: PCT/GB93/00761
FILING DATE: 13 APR11 1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US/03/085,957
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US-09-057 B97 15
1 Sequence 15. Application US/09057897
1 Patent No. A309476
1 GENERAL INFORMATION:
AFFLOWNT: Anthony Y.H.
AFFLOWNT: Wann, FORTHOW K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Pasqualini, Patricia A.
REMISCHATCON NUCHER: 34,894
REMESPACE TONTET UNDER: LUD
TELECON CONTENT OF SECOND THE PROPERTY OF SECOND THE PROPERTY OF SECOND THE PROPERTY OF SECOND THE PROPERTY OF SECOND OF
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TELEPAN (212) 8/6 3884
INFORNATION FOR SEQ (0 NO) 1
SEQUENCE CHARACTERISTICS
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MEDIUM TYPE: Diskett
                                                                        3 EDGQVMDVL 11
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Best Local Similarity
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Sequence 13, State24
SENERAL INFORMATION
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WIREELT AFFLICATION DAYS
FILING DAIE 09 JAN 1997
CLASSIFICATION DATA
APPLICATION DATA
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APPLICATION NUMBER: 08/162,081
FILING DATE: Pebruary 7, 1994
APPLICATION NUMBER: PCT/G893/06"F1
FILING DATE: 13 APPLI 1993
ATTGREEVASENT INPORMATION:
                                                  REPERENCE/DOCKET NUMBER: LUD 5286
TELECOMKINICATION INFORMATION:
TELEPHONE: (212) 688-3200
TELEPAX: (212) 688-3894
INFORMATION FOR SEQ ID NO: 13.
SEQUENCE CHARACTER (51):
SECONDO COLOR (51):
SECON
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REFERENCE/DOOKET NUMBER: LUG 52:64
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1000 688-9000
REGISTRATION NUMBER: 34,894
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STEEL: 805 Third Avenue
CLTY New York
GTAR: New York
COUNTRY: USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query March
Best Local Similarity 44.4%;
Matches 4, Conservative
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
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US-07-978-648-24

I SEQUENCE LAL ASPLICATION US/07/0766740

| SEQUENCE LAL ASPLICATION US/07/0766740
| SEVERAL INFORMATION |
| APPLICANT FRANK ROHALD
| APPLICANT FRANK ROHALD
| TITLE CF INVENTION | SUPPORT SOUND OR FREE PEPTIDES OR TITLE CF INVENTION | SUPPORT SOUND OR FREE PEPTIDES OR TITLE CF INVENTION | SUPPORT SOUND OR FREE PEPTIDES OR TITLE CF INVENTION | SUPPORT SOUND OR FREE PEPTIDES OR TITLE CF INVENTION | SUPPORT SOUND OF THE MANDITON | ADDITION OUT THE TITLE OF INVENTION | ADDITION OF THE MANDITON | ADDITION OUT THE TITLE OF INVENTION | ADDITION OF THE MANDITON | ADDITION OUT THE MANDITON | ADDITION OUT THE MANDITON | ADDITION OUT THE MANDITON | ADDITION OF THE MANDITON | ADDITION OUT THE MANDITON | ADDITION OF THE MANDITON OF THE MAN
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                                                                                                       ATTORNEY/AGENT INFGRMATION:
NAME: BISELE, GOSSHET TO THE REGISTRATION:
NAME: BISELE, GOSSHET TO THE REGISTRATION OF THE REFERENCE/CRET NUMBER: 270' 68 PCT TELECHONOR: (212' 487-600)
TELENX: (212' 487-600)
                                                                                        07/978.674
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ANTI-SENSE:
FRACMENT TYPE: Internal fragment
ORIGINAL SOURCE:
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COMPUTER: 124 YIT ON MATIBLE
COPERATION SYSTEM: 138 3.3
SCHTWARE, W.ELFSKERDT 5.1
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Best Local Similarity 50...
                            CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPCLOGY: LINEAR MOLECULE TYPE: Pept:de HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 10017-4455
COMPUTER READARIS FORM:
MEDIUM TYPE: 3-170"
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DEVELOPMENTAL STAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  amino acid
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. U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; IMMEDIATE SOURCE:
US-08:724:54*26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM:
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37.0%; Score 27, 78.4; Length 4;

Best Local Standarity 83.3%; Pred. No. 2 56-25;

Marthes 5; Conservative 6; Missatches 1: Intels
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APPLICANT COLOR, SONAL
TITLE 'F INVENTION' PROCESS FOR THE RALLE OTHER.
TITLE OF INVENTION' DISCONDENT BEFORE THE PROCESS THE RESIDENT SONAL TITLE OF INVENTION' A DEVICE FOR CARPYING (TITLE OF INVENTION) A DEVICE FOR CARPYING (TITLE OF INVENTION) A PROCESS
TITLE OF INVENTION' PROCESS
TITLE OF INVENTION' PROCESS
CORRESPONDENCES: 54
                                                                                                                                                                                             CONTRYL US

CONTRY US

ZIP: 07065-0907

CONTUTER REARABLE FORM:

WEDIOM TYPE: Floppy disk

COMPUTER: IBM PC compainble

OPERATING SYSTEM. PC-DOS/NS DUS

SOFTWARE: Patentin Release #1 1, Version #1 37

APPLICATION DATA:

APPLICATION NUMBER: US/09/057,837

FILING DATE:

CLASS FROM THOM
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ADDRESSEE: Kane, Dalsimer, Sullivan, Klinch,
ADDRESSEE: Levy, Eisele and Richard
STREET: 711 Third Avenue
STATE: New York
STATE: New York
TITTE OF SECUENCES: 36
NUMBER OF SECUENCES: 36
CCRRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US/08/724,444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: Bard, C. Mark
EGGISTRATION NUMBER: 36,545
REPERSINGE/DOCKET NUMBER: 19902
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAKE: (732)594-3905
TELEFAKE: (732)594-4720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDLIM TYPE: 3-1/2" DISKETTE
COMPUTER: IBM-XT COMPATIBLE
OPERATING SYSTEM: DOS 3.3:
NOFTWARE: WORDPERECT 5.1
CHRENT APPLICATION BATA:
APPLICATION NUMBER: US/08/724,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence is, Application US/18724598 Parent to, 5837830 SENEMAL INFORMATION:
                                                                                        ADDRESSEE, Merck & Co., Inc
STREET: P.C. Box 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPIX: (732)594-4720
INFCRMATION FOR SEQ 1D NO: 15:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 8 amino acids
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STRANDEDNESS: sin
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10017 4059
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CITY: Rahway
STATE: NJ
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US OB-724 648-09
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Search complexed: Novembar 5, 2003, 16:04:57 Job time : 14 secs
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08-69 A1-435-57
Sequence 57, Application US/09:41435
Patent No. 651:961
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ORGANISM: Artificial Sequence
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                                                     3 EDGOVN 8
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Parent No. 627845

GENERAL INCORATION.
APPLICATION Method for Determinant Libritors: (1000-100)

TITLE OF INVENTION: Immunological Telerance
FILS PERENEUR BS 100
CURRENT APPLICATION NUMBER: US/09/134,444

FARLIER PRING DATE: 1999-01-28
FARLIER FILING DATE: 1999-01-30
KUNRER: F SEQ ID NOS: 10
SOFFWARE: PARCEIN VER: 2.1
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Fest Local Strollarity SOLON, Prof. Ro. Liberol.
Matches Sy. Admontative 27 Mammatches (Chris.
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APPLICATION NUMBER: US/07/978,6748
FILING JOATE: 03/22/93
TLAGSTECATION: 435
PPCK APPLICATION: 435
PPCK APPLICATION DATA:
APPLICATION NUMBER:
FILING JOATE: 03/22/93
NUMBER: ESECE, JOSEPH 25,33;
REPRENCE/DOCKET NUMBER: 27,33;
REPRENCE/DOCKET NUMBER: 27,33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ANTI-SENSE:
PRACHENT TYPE: Internal fragment
CRISINAL SOCRCE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: LINEAR MOLEMULE TYPE: Peptide HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ? EDIDOVMDVDD 12
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TISSTE TYPE:
CELL TYPE:
CELL INS:
ORGANBLE:
HYMCDANE SCURCE:
US-07-976-098-08
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TS 09 232 448:8
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LENGTH: 12
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0
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US-09-341-435-57
GENERAL INFORMATION

APPLICANT: TARABASH, TSHIYA
APPLICANT: TARABSHUS, HIDEVIK
APPLICANT: TARESHUS, HIDEVIK
APPLICANT: TARESHUS, HIDEVIK
APPLICANT: TARESHUS, HIDEVIK
APPLICANT: TARABA, TÖSHIRKI
APPLICANT: TARABA, TÖSHIRKI
APPLICANT: TARABA, TÖSHIRKI
APPLICANT: TARABA, 105916

TITLE OF INVENTION: CYCLIC PEPTICES AND MEDICINAL USE THEREOF
TITLE OF INVENTION: CYCLIC PEPTICES AND MEDICINAL USE
TITLE OF INVENTION WINSER: US/09/341,435
CURRENT APPLICATION NUMBER: US/09/341,435
PRIOR FLUNG DATE: 1999-07 0
PRIOR FLUNG DATE: 1999-1112
NUMBER OF SEQ ID NOS: 57
SSOFTARRE: PALENTH: VET: 2.1
SSOFTARRE: PALENTH: VET: 2.1
SSOFTARRE: PALENTH: VET: 2.1
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32, Score 27, DB 4, Length 13,
Best Local Similarity 40.03, Pred. No. 1,56+02,
Matches 4, Conservative 7, Mismatches 3, Indels
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C)Punction:
A;Description: glycine reductase complex catalyzes the reductive deamination of glycine
C;Keywoids: APP; oxidoreductase
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Best Loval Similarity 57.1%, Pred. No. 1.2e+03,
Marches 4: Conservative 2, Mismatches 1; Indels
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From the construction restration restration respectively of the construction restration restrati
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scare greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distinguish.
                                                                                              November 5, 2003, 18;11:05 ; Search time is excends twitness alignents 75,935 Million relimphites/sec
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GenCore version 5.1.6
Copyright (c) 1993 - 2001 Compugen Lid
                                                                                                                                                                                                                                                                                                                        Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                        283308 segs, 95168682 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SUMMAR! ES
                                                                                                                                                                                                                                                                                                                                                                                                            Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                   OM protein - protein search, using sw model
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Gapop 16.0 , Gapext 0.5
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89
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Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PIR 76: *
2: pirn: *
5: pirn: *
6: pira: *
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length: 16
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Perfect score:
                                                                                                                                                                                                                                                                                                                                                          Minimum DB seg
Maximum DB seg
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No.
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Wm(r) protein Es unidentified 27.2k protein QP200021 adherence lectin h allatostatin - tob blaz protein chans alpha-tubilin - Ch DNA topoisomerase oxytocin hippope oxytocin finback oxytocin hippope	: 997 stex: change 08-0c:	Portillo, F.; Finiay gene required for to 61213 thown; translation no thomas translation no the EMBL Data Library he EMBL Data Library	OB 2; Jength 12; -Re-02; es 0; Indels 0; Gaps 6;	protein C, beta chain - Clostridium sticklan un-1932 #text_change i5-Aug-1997 rties and characterization of its tole in th PMID:1939235
22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MENT agme	56, M.; 96 1monelle 0:97014 9cid sec NID:90	k) Score 24, DB 2; Pred. No. 9.8e-0 5; Mismatches	:Y: 19-J
	nelia typbi Lyphimur Bsetinona	78.74.78.74.78.76.79.76.79.76.79.76.79.76.79.76.79.76.79.79.79.79.79.79.79.79.79.79.79.79.79.	27.0% ity 37.5% servative Er 10	ABSULT 2 B3308 glycine reductase (EC 1.4.99) sulthydiches: Clostidium sticklandii Cjareiles: Clostidium sticklandii Cjareiles: Clostidium sticklandii Cjareil 19 Cun-1992 #sequence revision Cjaccillo Chem 266, 2147-22153, 1991 A Title: Glycine reductase protein C. P. A. Reference number: A39108, MUID:920421-A560850n: B3308 A. Accession: B3308 A. Mcledule type: protein A. Mcledule type: protein
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C,Species: Xenopus laevis (African classed frog)

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R,Marcession: A3900

A,Reference number: A19300, MULD:9935/79; PMID:2787599

A,Marcession: A3900

A,Residues: 112 RRC3

R,Marcession: Biophys. Acta :175, 143 147, 1993

A,Reference number: S30176; MULD:93200145; PMID:8452872

A,Reference number: S30176; MULD:93200145; PMID:8452872

A,Residues: :12 < IWA>
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() Cate: 20 (an:199) #sequence_retraion 29.Jan-1993 #text [Cange 4, Mir.1997]
() Accession: Si6375
() Lane, The Sover, S.A.; Kawanchi, H.
Sen Comp. Endocrinol. 70, 152-157, 1949
A/Title: Arginine vasorocin from the piruttary Hand of the Lampius (Periodyzon marinus)
A.Reference number: S06375, Milo:88225976; PMID:831646
A.Accession: S06375, Milo:88225976; PMID:831646
A.Rolecule type: protein
A.Residues: 1-9 < LAN>
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Cybate: 09 Sep-1964 #sequence_revision 39 Sep-1974 #t+xt manger 2000 1000

Cybate: 09 Sep-1964 #sequence_revision 39 Sep-1974 #t+xt manger 2000 1000

Cybatession: B61364

Sybates R. J. Chauvet, J., Chauvet, M.: Frenpy, C.

Tomp, Produem. Physiol. A 14, 245-254, 1968

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AlMolecule type: protein
AlResidues: 1 9 -ALHA
CiKeywords: imidated calboxy) end: neurly eptide, posterior pittitiory
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Pit-6/Disulfide bonds: #status experimental
P;9/Rodified site: amidated carboxy, end (Gly) #status experimental
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NAlternate names: Lys conopressin 5 Cisperies: Conus geographus (geography cone) Cisperies: Conus geographus (geography cone) Cisperies: Conus geographus (geography cone) Cisperies: 30 Jun-1989 #Sequence_revision 30-Jun-1989 #text_change 25-Apr 1997 Ciscession: A28495 Rictuz, Luur, de Santos, V.; Zafaralla, G.C.; Ramilo, C.A.; Zeikus, S.; Gray, W.R.; Oliv Bloi, Chem. 262, 15871-15824, 1987 Aprilosh homologs. Characterization of peptides from (A)Reference number: A42617: MJID:88059932; PMID:3680228
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Eur. J. Blochem. 217, 837-903, 1593.
Affille: Solation, Stluctural charatherization and biological function of a lysine-cont
A;Reference number: S29240; MUID:94039146; PMID:8223646
A;Accession: S39040
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J. Biol. Chem. 264, 726-734, 1989
J. Biol. Chem. Chem. 264, 726-734, 1989
J. Biol. Chem. Chem.
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C)Species: Erpobdella octoculata
C.Dare: 19 Mar.1997 #sequence_revision 19-Mar-1997 #text_change 17-Mar-1999
C)Accession: S33940
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A32135
Na+/K-exchangling ATPash (SC 3.6.3.9) alpha chain - dog (fragment)
C)Species: Cails lugus familiaris (dog)
C)Date: 20 Oct.1889 #sequence_revision 20 Oct.1989 #text_change 19-Apr-2002
C)Accession: A32135
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C.Superfamily: oxytoon: neurophysin
C.Skeywords: amidated carboxyl end: venom
F:1-6/Disulfide bonds: #status experimental
F:9/Wodified site: amidated carboxyl end (Giy) #status experimental
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22.5%; Score 20; DB 2; Length 10;
Best Local Similarit; 75.0%; Pred. No. 3.9e+03;
Matches i; Conservetive i; Mismatches 0; Indels
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26.7%; Pred. No. 2.8e+05;
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Matches 4, Conservative
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tes 4, Conservitive
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A.Residues: 10 aTYS:
C.Keywords: hydrolase
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A:Residues: 1-9 <CPU>
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A;Residues: 1-9 <SAL>
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CiSpecies: Locusta migratoria imigratory locust
CiSpecies: Locusta migratoria imigratory locust)
CiDate: 31.Dec-1988 #sequence_revision 31.Dec-1988 #text__nhange 31.Dec 1993
CiAccession A29477, C.A.; Li, J.P.; Janey, P. H., Gitarite, A., Teiaage, M.; Schooley
Elochem: Bipphys: Res. Common. 149, 188-196, 1987
Elochem: Bipphys: Res. Common. 149, 188-196, 1987
Afficher: Identification of an arginine vasquess.n-like dilicits is grone from Locusta mi
Affichesion: A29477, MUID:88677007, PMID:868416
Cospecies: Comus striatus (striated cond)
Obtata 30 Jun-1999 asequence_revision % Jun-1989 #text_change 2% Apr-1997
Copacession; B28435
Rochacession; B284435
Rochac, L.J. de Santos, V./ Zafazalla, .i.C./ Rarilo, C.A./ Zarkus, P., Gray, W.R./ Cliv
B Eloa, Chem. 2-62 isSS1-15864, 1997
A) Fithe Invertebrate vasopressin/oxy over horologs. Characterization of peptides from CARRETERIC number: A32617, MUID:88055942; PMID: 4596224
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Klatorrate mares: S-aminodevoulint acid debydratase
C)Species: Scenedesmus obliguus
C)Bate: 14 Feb-1997 #sequence_revision 13-Mar 1992 #t-xc quance of N.y 1999
C)Bate: 14 Feb-1997 #sequence_revision 13-Mar 1993 #t-xc quance of N.y 1999
C)Accession: 562641
R)Stolz: M.; Docthemann, D.
Bur, J.; Blocker, 236, 600-608, 1996
Article Furification, metal cofactor, Niorinal sequence and subunit composition of ApAccession: 562641; MUID:96195670; PMID:Folia?4
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A,Residues: 1-9 cRU>
C,Superfamily: cxyrocin neurophysin
C,Superfamily: cxyrocin neurophysin
Fyl-6/Disulfide bonds: #status experimental
Fyl-6/Disulfide bonds: #status experimental
Fyl-6/Disulfide site: amidated carboxyl end (Gly: #sratus experimental
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Similarity 100.0%; Pred. No. 2.69-75;
3; Conservative 0; Mishatchus 2; Hibble
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AFResidues: 1.9 <PRO>
AFRESIGUES: 1.0 <PRO>
CIReywords: neuropeptides, Fl and F2, which identified: FL is
CIReywords: neuropeptide
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AlMolecule type: protein
AlResidues: 1-15 <STC>
ClKeywords: carbon-oxygen lyase; hydro-lyase
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Best Local S
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RESULT 19
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A 2 5 77
Concerns Rattus norventous (Morway 14)
Concerns Rattus (Morway 14)
Concerns 
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CAPTELS

CASCACES: Beliaced tells

C.Species: Beliaced tells

C.Daren: 19-Decil993 #Sequence revision. In Miv 1374 #FEXT Bills in May 1995

C.Daren: 19-Decil993 #Sequence revision. In Miv 1374 #FEXT Bills in May 1995

C.Daren: 19-Decil993 #Sequence revision. In Miv 1374 #FEXT Bills in May 1995

C.Daren: 19-Decil993 #Sequence revision. In Miv 1374 #FEXT Bills in May 1995

C.Daren: 19-Decil993 #Sequence revision. In Mid 1992

A.Tation Printing and Characterization of the urbase miny in Ferrice species

A.Tation Printing A. Mid 1992

A.Molecule type: protein

A.Residues: 1-12 CTUS A.

A.Note: Sequence extracted from NOBI Birkbure (NOBIPI184+9)
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Pest Lord Similarity 42.9%; Pref. Mo. 4.2000;
Matchew 3; Conservative 3; Mismatchew 1; Indexe
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10 DELC 13
                                                               5 DEEL 2
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conus querc didelphis m lumbricus t oncorhynchu periplaneta

zea mays (m rhizobium 1 homo sapien

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SEQUENCE.
SPECIFS.C.Carpio, TISSUE-Pituitary.
SPECIFS.C.Carpio, TISSUE-Pituitary.
Achor R., Chauvet J., Chauvet M. T., Crepy D.;
Achor R., Chauvet J., Chauvet M. T., Crepy D.;
"Characterization of neurohypophyseal hormones from a fresh water bony
"Characterization of neurohypophyseal hormones from sea
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Petromyzon marinus (Sea Jamprey).
Eukaryota, Metazoa, Chordata, Cran.ata, Vertebrata, Euteleostomi,
Actinopterypii, Neopterygii, Teleostei, Ostarlophysi, Cypriniformes,
Cyprinidae, Cypi.nus.
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P15987
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P80686
P58463
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P11918
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1D CYPCA
AC P23879; CYPCA STANDARD; PR'
AC P23879; CYPCA STANDARD; PR'
DT 01.NOV-1991 (Rel. 20, Created)
DT 01.NOV-1995 (Rel. 29, Last seque:
DT 01.NOV-1995 (Rel. 22, Last annotation)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The land of the street,
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Copyright (c) 1993 2003 Compu-
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Cruz Lidi, de Samtos V., Zafaralla G.C., Ramilo C.A., Zeikus R.D.
Gray W.R., Olivera B.M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Investebrate vasoriessin/oxytocin homologs, Characterization of poptides from Conus geographus and Conus straitus venoms."; C. Biol. Chem. 262.15821-15824(1987).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ary-compressin S.
Comus striatus (Striated Cone).
Eukaryota, Metazoa, Mollusca; Gasiropoda, Orthogastropoda;
Eukaryota, Caemogastropoda; Sorbeocomcha; Hypsogastropoda;
Neogastropoda; Caemogastropoda; Conidae; Conus.
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Eukaryota, Metazoa, Arthropoda, Hexapoda, Insecta, Prerygota, Nedystra Citlipherindea, Otthophera, Caelifera, Acridomorpha, McTel Carlos, Articidadinae, Locusta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIATE #99024986, Pub Med=1052286,
Gray W.R., Clivers B.M., Criz L.W.;
Papide tookser B.M., venomous snails.";
Annu. Rev. Blocker 57:665-7061988.
-!-FINCTION: Targets Vasopiossin oxytooin related receptors.
-! SUSCELIOLAR LCAPITY: Expressed by the venom duct.
-!-TISSUE SPECIFITY: Expressed by the venom duct.
-!-TISSUE SPECIFITY: Expressed by the venom duct.
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TISSEN Successible of a finalist, and Thomast ganglion;
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Pred. No. 1.3e+05;
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01-AUST-290 (Rel. 15, Last sequence update)
15 DEC-1998 (Rel. 27, Last annotation update)
Locuptyssin (Critici neuropeptide FI/F2).
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01-NOV-1988 (Rel. 19, Last sequence update)
28-FES-2003 (Rel. 41, Last annotation update)
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                                                              2; Mismatches
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Matches 4, Conservative
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Scyliothinis canicula (Spotted dogfish) (Spotted carstark).
Eukaryotan Metazoa, Chordata, Craminta, Vertebrata, Candithom byes,
Scyliothinidae, Scyliothinis, Galeondea, Cattonathiniformers,
Scyliothinidae, Scyliothinus.
WCEI TaxID=7830,
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NETTINE FILESCOLDS FUDNED 4622083.

THEN ILLUSTON Of 2 new neurohypophysis, but new or 17 mm oxytoning and apparticeln (Asnet explicit) to 1 solds for the sparticeln (Asnet explicit) to 1 solds for 18 mm of 18 mm. C. Sci. Nat. 244.41 (1904-44).

SININARIYE SELONGS TO THE VASHEPERSTON XYOUTH SERVICE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24.2%, Score 21.6, 10 to termine 28.6%, Pred No. 130-6%, ive 2, Mismatches 1 totals
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PROUDT 3

OXYA SULAC STANDARD; PRT, G AAA

D 0.500 STANDARD; Created:

D 1.000 STANDARD; REL: N2, Created:

D 1.000 STANDARD; REL: N2, Last sequence update;

D 1.000 STANDARD; Rel: N2, Last sequence update;

D 2.000 STANDARD; Rel: N2, Last sequence update;

D 3.000 STANDARD; Rel: N2, Last sequen
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MADELINES 250 SIDE () ExibMed Holdson.
Actor (F.). chauvet (C). Chauvet (M.) i.
"Boby orders of the memohypophysial horses of (M.) here.
"Boby orders of the memohypophysial horses of (M.) here.
Boby of two a cartillaginous (ESD). Squalus Horibio.
Boby of Brochem. (29:12-19(1972)).
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17863 Y ERSSAG GROWGE
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                               01-N.V 1999 (Rel. 32, Last sequence update.
01 NOV 1995 (Rel. 32, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AMIDATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Interior, 1980-0981; Neuthyp.horm.
Pf.mn. PFG0120, hormone4: 1:
PPGSITE: PSC0264; NEUROHYPGPHYS_HEAM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24.88;
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∵P-
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DISULPTO
MOD RES 9 AA; 98:
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DISULRID
MCT RES 9
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Partnark P., Kaushik J.K., Grover S., Batish V.K.; Partnark P., Kaushik J.K., Grover S., Batish V.K.; Provision and characterization of a bacteriocin-like compound (Lichenih) produced anaerobically by Bacillus licheniformis isolated J. Appl. Microbiol. 91:636-645(2001).
                                                                                                                                                                                                                                                                                                                                                                                  Scyllorhious cantotla (Spotted dogfish) (Spotted catshark).
Eukaryota: Vetazoa: Chordata: Crantata: Vettebrata: Chondrichthyes;
Elasmobranchi; Galecmorphil: Galecidea: Carcharhiniformes;
Scyllorhindae; Scyllorhinus.
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Patinals P.;
Patinals P.;
Patinals P.;
Theres: P.;
These 
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Bacteria, Firmicutes, Bacillales, Bacillaceae, Bacillus.
VCB: TaxiD=1402;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9 9 AMIDATION.
9 AA; 1016 MW; 17EDD765B44449DB CRC64;
                                                                                                                                                                                                                                             01-NOV-1995 (Rel. 32, Created)
01-NOV-1995 (Rel. 32, Last sequence update)
01-NOV-1995 (Rel. 32, Last annotation update)
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16-CCT-2001 (Pel. 40, Last sequence update)
28-FEB 2003 (Rel. 41, Last annotation update)
                                                                                                                                                                                 9 AA
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PROSITE, PS00264, NEUROHYPOPHYS_HORM, 1.
Horrone, Amidation.
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MEDLINE=21460732; PubMed+11576300;
                                                                                                                                                                                 PRT;
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           -CPK
                                                                                                                                                                                 STANDARD;
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           CEIRN-
                                                                                                                                                                                                                                                                                                                                                            Phasvatocin.
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P42997
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                                                                                                       RESULT 7
CXYF_SCYCA
ID CXYF S
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MEDLINE, 88077077, PubMed=3689410, Proux J.P., Girardie A., Eroux J.P., Miller C.A., Li J.P., Carney R.E., Girardie A., Selosdey M., Schooley D.A., "Identification of an arginine vasopressin-like diurktin bormon. Locusta migratoria,";
                                                                                                                                                                                                                                                        PIR, A28477, A29477.

R PIR, A28477, A29477.

PIR. CENTOR OF DEMONSHIP NEUTRYP_DOTE.

PROSE PROSE SERVICE PROSES OF THE PROSE SERVICE PROSESSER SE
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01-NOV-1988 (Pel. 09, Last sequence update)
01-NOV-1988 (Rel. 04, Last sequence update)
02-P-EEE 2003 (Rel. 41, Last arnotation update)
Lys-conopressin 6.
Conus acquiagnus Geography conc)
Exaryota, Metazca, Moliusca, Gastropoda, Orthomastropoda,
Apoquastropoda, Canogastropoda, Sorreconcha, Hypsopastropida,
Necquastropoda, Conoidea, Conidea, Conus.
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MEDITNE=0010 For B.M., Cruz L.J.,

Peptide Loxins from vencous Conne snails.";

Annu, Rev. Biocher. 57:665-7001598;

SUNCELLUAR LOCATION: Secreted:

SINILARITY: BELONGS TO THE VASC-PESSIN/CXYT IIN AMIDY.
                                                                                                                                                                                                                                             1. STEUNIT: F2 IS AN ANTIFARALDED DISCUELOS DINKED DINES. . . SIMIDARITY: BELONGS TO THE VAS FREESING XYDODIN FAMILY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 23.6%; Score 21; DR 1; Length 9; Best Local Similarity 100.0%; Pred. No. 1.24-65; Matches 3; Conservative 6; Mismatches 9; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9 9 ANIDATION.
9 AA: 1037 MW; D4FC2768H4547059 CR764;
                                                                                                                                                           Blochem, Blopbys, Res. Commun. 149:193-186 [198-9] -1- FURCTION: DIURETIC HORMONE.
1- STBUNIT: P2 IS AN ANTIPARALLE: DISHUFTER
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IntelFyo; IPR000981; Neurhyp horn
IntelFyo; IPR000981; Neurhyp horn
PR03120; hormone4; 1.
PRCSITE; PS00264; NEUROHYPOPHYS_HCPM; 1.
BIRULEID 1. 6
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Matches 4, Conservative
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STATE
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RESULT 6 COND_CONGE

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                                                                                                                                        SEQUENCE FROM N.A.
                                                                                            NCB1_TaxID.13616;
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MIDDLINE-94030461, PubMed-8220464,
MIDDLINE-94030461, PubMed-8220464,
MIDDLINE-94030461, PubMed-8220464,
Spec J., Van Karmen P., Bisseling T., Flanssen H.;
Tharacterization of GMEMODAG, a very shawnon note: jatiens of cells.
Specific expression during soybean modally development. The formation of GMEMODAG, a very sharp in the FINCTION. MODGLATES THE ACTION OF AUXIN, AND MAY EXHITLY AS PLANT OP-WIP REGULATOR THAT ALTERS PHYTCH-FAMINE SENTONESS ORY
                                                                                                                                                                                                                                                                                                                                                                                   01.NOV 1997 (Ref. 35, Created)
01.NOV 1997 (Ref. 35, Last smotation update)
01.NOV 1997 (Ref. 37, Last smotation update)
EACT 1998 (Ref. 37, Last smotation update)
ENDS 19.
ENDS 10.
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UBLI MCNDC STANDARD; PRT; 15 AA
AC P50173; NO. COTT. 1996 (Rel. 34, Created)
DT 0. COTT. 1996 (Rel. 34, Last sequence update;
DT 28-FEB 2003 (Rel. 41, Last annotation update;
DE Utiguillan Cashoxyl terminal hydrolase isozyme 11 (Br. 3 4.19 12)
DE 11) (Ubiguillan thickholasterase Ll) (Neuton syncplasmic protein 8: 100 0.5) (App9.5) (Pregment).
                                                                                     22.5%; Score AG: [8 1; Length III.
75.0%; Pred. No. 1.44+07.
IVe. 1: Mismatches A. Indris.
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Autibiotic, Bactericoin. Secreted.
Autibiotic, Bactericoin.
SEQUENCE 12 AA, 1414 MW, ICCSOHEGED4AESHO (RC64).
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Nodulation.
                                                                    Clery Match
Best Local Similarity 75....
Pest Local 3, Conservative
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Matches 3, Conserv
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                                                                                                                                                                                 9 JET 6:
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NOBL TaxID:3847;
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                                                                                                                                                                                                                                                                                                                      SOYBN
MO40 SOYBN
P559600
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL curstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to licensealsb-sib.ch).
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                                                                                                                                                                                                                                                                                             Mann D.A., Trowern A.B., Lavender F.L., Whittaker P.A.,
Thorpson R.J., From P. C., Thorner P. Specific ubiquitin G.terminal.
hydrolase (PGP9.5) gene. 7.
The mirrochem 66.15-46.1996.
The RECORDING BOTH IN THE PRECURSOR AND OF UBIQUINATED PROTEINS.
THIS RECORDING AND HYDROLYEE
A PEPTILE BONG ANTINE G.TERMINAL GLYCING OF UBIQUININ.
THE PROTEIN AND TABLE THAT RECOGNIZE AD PROPERTY A PERTILE SON AND THE CITERMINAL GLYCING OF UBIQUININ.
UCHII.
Monodelphis domestica (Short-tailed grey opossum).
Eukaryota, Metazoa, Chordara; Craniata; Vertebrata; Buteleostomi;
Mammalia: Metatheria; Didelphimophia; Didelphidae; Monodelphis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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Apogastropoda, Gaenogastropoda, Sorbeoconcha, Hypsogastropoda,
Neogastropoda, Comoldea, Conldae, Conus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE=90327072; PubMed=2165278;
Abogadie F.C., Ramie C.A., Corpuz G.P., Cruz L.J.;
Unpublished results, cited by:
Olivera B.M. Rivier J.E., Clark C., Ramilo C.A., Corpuz G.P.,
Abogadie F.C., Mena E.E., Woodward S.R., Hillyard D.R., Cruz
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  - FINCTION: Causes scratching in mice.
- SISFELLLAR LOCATION: Secreted.
1. SISSUE SPECIFCLIFE Expressed by the venom duct.
SIMILARITY: SELONGS TO THE M-SUPERFAMILY OF CONCTOXINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22.5%; Score 20; DB 1; Length 15; 44.4%; Pred. No. 1.9e+03; alive 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ubiquitin + a thiol.
-!- SUBCELLULAR LOCATION: Cycoplasmic.
-! SIMILARITY: BELONGS TO PEPTIDASE PAMILY C12.
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CX3A COMP.
STANDAPD; FRT; 15 AA.
AC 956941;
DT 28-FEB-2031 (Rei. 41, Created)
DT 28-FEB-2031 (Rei. 41, Last sequence update)
DT 28-FEB-2031 (Rei. 41, Last annotation update)
DE Conctoxin QcillA.
                                                                                                                                                                                                                                                                          MEDLINE-96102916; FubMed-8522974;
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Best Local Similarity 44.4v
Best Local Similarity 44.4v
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Query Match
Rest Local Stmilatory 80 co
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Matches 2, Conservative
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NCBI_TaxID-8390;
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SEQUENCE
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                                                                            SEQUENCES
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Q2OA_COMTE
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OXYT E1SF0

LD (OXYT E1SF0

AC P4.938;

D1 NOV.1995 [Rel. 32, Created)

D2 01 NOV.1995 [Rel. 32, Last sequence update)

D2 Annerown.

D3 Annerown.

OS Eisenia foctuda (Common brandling worm) (Common dune word)

CC Enkaryota; Morazoa; Annelida; Clitellata; Disposhaeta; Highs exida;

CC Aumbiforda; Lumbiroidae; Elsenia

CC Aumbiforda; Lumbiroidae; Elsenia

CC Aumbiforda; Lumbiroidae; Elsenia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Annel-Gin: an oxytocin-related peptide isolated first tipe earthwith."
Eisensa footida.")

Bisensa footida.")

Bischia footida.")

Fighther: Singhys: Res. Commun. 188-197-399 1994.

FIGHTHOR: POTENTIALES SPONTAREINS CONTRATIONS OF THE GUI AND ALSO PHISATONY CONTRACTIONS AND BLACKER SHAKING YOVERHEIGHT OF THE NEPHRIDIAL MAY BE INVOLVED IN "SNOPESCUATION OF THE ANIMAL THROUGH NEPHRIDIAL FUNCTION."

FIGHTHORIES BEING TO THE VASUPERSSINGWETCH FAMILY.

FIGHTHER POTOZIL: POTOZIL.
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Marsumasailiff) PubMed-8292046;
Ouni T., Ukena K., Matsushima C., ikeda T., Furita T., MinaKala H.,
Nometo K.,
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01-NCV 1995 (Rel. 32, Last sequent diplomeration (Sel. 32, Last annotation update)
15-SEP 2003 (Rel. 42, Last annotation update)
Selfcoin (Ser5,11e8)-oxytocin)
Selfcoin (Selfcoin 
                                                                                                                                                                                                                                                                                                Scote 19; 78 1; Length 1=;
Pred 20, 2,26+03;
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AMIDATION:
D4798*AEB48D8+40 :8764;
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9 AA) 996 MW; D4E89*F8P45411.14 75 44.
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Pfam; FE00210; hormone4; L.
Pw.SITE; PNOC164; IBURCHYPOPHYS H 4x; EALSE NEU
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                                                                            PROBABLE.
PROBABLE.
                                              PROBABLE
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| Coling | Hydroxylation; | Amidation: | BRC | B
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1601 MW:
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Matches 4, Conservative
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DISULFID 1
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P42995:
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CXYT_BUFRE
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TWO GAMMA CHAINS (PROBABLE).
PIR; S666.06; S666.06.
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TISSUE FILLILIARY HAUTOINTERMEDIATE TODE;
WEDLINE=9605913: PHEMEd=7594488;
Chauvet 1. Michel G., Owner, V., Chou J., Chait B.T., Acher R.;
TA new neurohypophysial peptide, seritocin ([Ser5,1ie8]-bxytocin),
identified in a dryness-resistant African toad, Bufo regularis.";
Int. J. Pept. Perform Res. 45:482 487(1995).
FENCHION: Devoid of bxytocic activity.
SIRCELLURAX DOADTION: Secreted.
SIRCELLURAX DOADTION: Secreted.
SIRCELLURAX DOADTION: Secreted.
InterPro. IPROCOSS; Neurhyp_horm.
PEDSSITS: PSOC264: NEUROHYPOPHYS_HORM: FALSE_NEG.
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BLS(44, 1956 (Rel. 32, Created)
01-NOV-1995 (Rel. 32, Last sequence update)
16-OCT 2011 (Rel. 40, Last annotation update)
16-OCT 2011 (Rel. 40, Last annotation update)
00-NOV-1995 (Rel. 40, Last annotation update)
Cormanona testosteroni (Pseudomonas testosteroni)
Bacteria; Profeobarrenta Beraprotachbacteria; Burkholderiales;
Cormanonadaceae, Cormanonas,
NCBI_TAXID-285;
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Pred. No. 2.9e+03;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20.2%; Score 18; DB 1; Length 9; 40.0%; Pred. No. 1.3e+05;
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NON TER 11
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80.0%;
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AD 942859.

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AD 100 MIN 1899 Rel. 32, Created

DT 01 NOV 1899 Rel. 32, Last sequence update

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## ALIGNMENTS

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	COMP9;			
	01-MAY 2000	(Trawelre)	Created)	
	C1-MAY 2000	(Tremelrel. 13,		Last sequence update)
	C1-73N 2000	(TrEMELsel. 14,	Last anno	Last annotation update)
	G39 antigen	G39 antigen (Fragment).		
	Hirudo medio	cinalis (Medicin	al leech).	
8	Eukaryota, 1	Metazoa, Annelid	a, Clitell	Eukaryota, Metazoa, Annelida, Clitellata, Hirudinida, Hirudinea,
00	Arynchobde.	lida, Harudinifo	Imes; Hiru	
š	NCBI TaxID.6421.	6421.		
	:			
	SECTION			
	MEDLING 441	MEDLINS 94157531: 1.bMed_8113784;	13084:	
	Luth: T.E.	Brodheck Did.	Jene P.;	
£- :Y:	"ldentitical	tion of a 12 kB	protein w.	th sequence homology to squid
_	neurofilame:	th mi mi-cid in	ial cells	of the leach CNS.";
RL	C. Meurobio	1, 25:70 82(1994		
SÇ	SEQUENCE	SEQUENCE 15 AA: 1747 MW; 183584884A11095E CRC64;	15358488	14A11C95E CRC64;
3 m ≥	Query Match Best Local Similarity Matches 5: Concor	30,3%) Similarity 62,5%) 5: Concervative	C.4	Score 27; DB 5; Length 15; Fred. No. 7.1e+02; 2; Migmatches 1; Indels 0; Gaps
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13.53	RESULT 2			
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60	01-0AM 1998	Trawelte. (5)	Last	sequence update)
U.	1000-032-10	CT: 5 MPC: 4 G	: S. F.	annotation update)
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Gaps

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SEQUENCE FROM N.A.
MEDLINE=93005711: PheMod=1845922;
MININGED D.C., CRAWford N.M.;
Midentification of the Avabidopsis CH13 gene as the nitrate reductase structural gene NIA2.";
Plant Cell s444-477(1991);
Plant Cell s444-477(1991);
PMH, S45384; AAD31272.1;
MON TER 15 AA; 1721 MW; 71090F0829EICFD CR064;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bukaryona, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta, Sperratophyta, Magnollophyta, eudloctyledons, Core eudlocts, Rosidae, eurosids II; Brassicales, Brassicaceae, Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Nakajira T., Yasuda K., Okada H., Sanezumi M., Osaki T., Kanzaki H., Nishizawa, M. 100 S., Nishizawa, M. 100 S., Okada H.S. Ohydroxysteroid dehydrogenase) in endoretrium...

J. Ferrillization and Implantation 17:186-187(2005).

EMBOL ABORBOOK, BAPPECIS 1, 1.

SEQUENCE IN ANY 17:2 YM, 9452870645C4622F CRC64;
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Rattus
NCBI_TaxID=10116;
"Cloning and characterisation of human tie-2/tek promoter.";
Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.
EMBL; AF077857; AAF01566.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ouery Match 25.8%; Score 23; DR 10; Length 15; Best Local Similarity 62.5%; Pred. No. 3.70+53; Anatches 5; Conservative 1; Mismatches 2; Indels
                                                                                                                          Query Match
25.8%; Score 23; D8 6; Length 13;
Best Local Similarity 71.4%; Pred. No. 3.2e+03;
Matches 5; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                              01-MAR-2002 (TrEMBLrel, 20, Created)
01-MAR-2002 (TrEMBLrel, 20, Last sequence update)
01-MAR-2002 (TrEMBLrel, 20, Last annotation update)
01-MAR-2002 (TreMBLrel, 20, Last annotation update)
013/nitrate reductase structural protein (Fragment),
01A2.
                                                                                          SAF9F2F5BCCBC735 CRC64;
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01-DEC-2001 (TEMBLEEL 19, Last sequence update)
01 DEC-2001 (TEMBLEEL 19, Last annotation update)
20alpha hydroxysteroid dehydrogenase (Fragment)
                                                                                                                                                                                                                                                                                                                              15 AA
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NON_TER 13 13
SEQUENCE 13 AA; 1295 MW;
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                                                                             | U. | Security From N.A. | Security Property | National Property | National Property | Pragical D. | Gibaud A., Dutrillaux B., Fougon M.F., Maliony B., Fragical D., Gibaud A., Dutrillaux B., Fougon M.F., Maliony B., Fragical D., Gibaud A., Dutrillaux B., Fougon M.F., Maliony B., Cherring and However of all-trans relinous acid Appropriate Carcinoma cell lines.", FERS Lett. 415:263-267(1997).
FERS Lett. 415:263-267(1997).
FERS Lett. 415:263-267(1997).
FRANSFAC, T0327, 1.
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Eukaryota, Menazda, Chordata, Cranialia, Vertibilaria, inteledatili.
Euramalia, Eutheria, Cetarriodactyla, Ruminantila, Fellis, Brivis dessi Royrdaer Bevinael Bos.
NGBI TakiD=9913;
 Homo suppers (Human),
Bukanyota, Metazoa, Chordata, Craniata, Vertebrata, Futelmostori;
Marmalia, Eutheria, Primates, Catairbini, Homindae, Homo,
NCBI Taxib-9606;
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01-MAY 2000 (TrEMBLrel. 13, Created)
01-MAY 2000 (TrEMBLrel. 13, Last sequence update)
01-MAY 2000 (TrEMBLrel. 14, Last sequence update)
01-JUN 2000 (TrEMBLrel. 14, Last squence update)
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36.7%) Pred, 30.1, 41.1,
110e 4, Mandather
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Howett P.W., Datt B.L., Morray J.L.
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Eukaryota, Metazoa, Chordata, Chamhata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
NCBI_TaxiDu9606;
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***EDUINDE=97008155; PubMeds8855281;

**DUINDE=97008155; PubMeds8855281;

**DUINDE=97008155; PubMeds8855281;

**MAIN Lee M.D. Smith B.L., Jung G.S., Agre P., Verdijk M.A.C.,

**MAINS J. Smith B.L., Deen P.M.T.;

"The human AQP4 gene: definition of the locus encoding two water

channel polypogitides in brain.";

Proc. Natl. Acad. Sci. U.S.A. 99:10908-10912(1996).
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1: :: 37959CA3:1AEB737 CRC64;
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IMR-200: (TERMELTE: 16, Last sequence update)
0: MAR_200: (TERMELTE: 16, Last annotation update)
Aquapotin-4 (Fragment).
Pred. No. 4.1e+03;
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                                      75.3%;
                                          Best Local Similarity 75.3
Matches 3, Conservative
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MEDLINE=99345147; PubMed=96B1822;
Lee H., Mainle N.J.;
"Isolation and characterization of four alternate vertily transcripts expressed in ovarian carcinoma-derived cell lines and numbal human tissues.";
                                                                                                                                                             Gaps
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Enterobacteriaceae, Escherichia.
NCBI_TaxtD>562,
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Bromo Sapiens (Human).
Bromo Sapiens (Human).
Marzyola y Metazoa, Chordata, Craniata, Verteniata, Entelleristan, Marmalia, Eutheria, Primates, Cataiitini, Berniidae, Forno.
MCBI Tax10=9606.
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SEQUENCE FROM N.A.
STRAINS=(H10) TRANSPOSON=T05057;
MEDLING=21604134, PubMed=1176324;;
MIDLING=21604134, PubMed=1176324;;
MIDLING=21604134, PubMed=1176324;;
MIDLING=21604134, MINTERPROVED S.A., MORTOWA M.A.,
MINTERPROPERSONS OF HIAM DESIGNATION OF THE MEDIAL PROPERSONS OF HIAM DESIGNATION OF THE MIDLING CLASSIFICATION."
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Bost Local Similarity 40.0%; Pred. No. 3.78+63;
Matches 4; Conservative 3; Mismatches 1; Indels
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21-DEC 2001 (TYEMBLIEL 19, Creates)
21-DEC 2001 (TYEMBLIEL 20, Last sequence updates)
21-WAR-2002 (TYEMBLIEL 20, Last annotation updates)
Putaniyo mercurso reductase (Fragment)
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01-NOV 1999 (Trembirel, 08, Gr
01-NOV 1998 (Trembirel, 08, La
01-NOV 1998 (Trembirel, 08, La
REDB 3 R2 (Fragment).
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EMBL, U88358; AAC39858.1; -
NON_TEX 1
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An addilional arginine-vasocionin-related peptide. vasotocinyl-Gly-
Lys. in Xenopus neurchypophysis.";
Blochim. Blophys. Acta 1176:143-147(1993).
                    0.9PS.D.

1. MAY 2000 (TIEMBLEE) 13, Created)

01-MAP 2000 (TIEMBLEE) 20, Last sequence update)

01-MAP 2000 (TEMBLEE) 20, Last annotation update)

Mydra 1. VASCOCINYL GIVELMS.

Kenopus Jaevis (African Clawed frog)

Eukaryota: Metazoa; Choxdata; Craniata; Vertebrata; Euteleostomi;

Mapphibas Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;

NCBI_TAXID=835;
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Pfam; PF00223; hormone4; 1.
PROSITE; PS00264; NEURCHYPOPHYS_HORM; 1.
SEQUENCE 11 AA; 1238 MW; CC5B57EB176EB456 CRC64;
11 AA
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Best Local Similarity 56.09
had 3, Conservative
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RESULT 11 QATC29

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MEDINEE-881311; PURVED-9649539;
MIDINEE-9813111; PURVED-9649539;
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01.NOV.1998 (TREMBLIE). 19, Last sequence update)
01.DOC-200. (TREMBLIE). 19, Last annotation update)
MHC class 11 8 locus 12 (Fragment).
Oreodroms niloticus (Mile tilefia) (Tilapia nilotica).
Bukaryota, Metaza, Chordata, Craniata, Vertebrata, Esteleostom,
Actinoprevygii, Mespiorygii, Telecistei, Estoleostei,
Actinoprevygii, Mespiorygii, Telecistei, Estoleostei,
Actinoprevygii, Mespiorerygii, Percomorpha, Perciformes, Lanroidei,
Nebilidat, Oreodii.Tik
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Mammalia, Eutheria, Picmates, Catarthins, Hominidae, Homo,
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Citron B.A., Santa Cruz K.S., Davies P.J.A., Festoff B.W.,
Citron B.A., Santa Cruz K.S., Davies P.J.A., Festoff B.W.,
Tintron-exus swapping of tranglutaminaso mRNA and neuronal tau
aggicgation in Alzherrer's disease.";
J. Biol. Chem. 0.0-0.2001;
BMBL, AFBILZ86, AAKISZ72.1;
ACVItransferase.
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Best Local Similarity 33.37
Marches 4; Conservative
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Best Local Similarity 57.17
Matches 4: Conservative
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Kutan Shigamatsu T., Kavachas P.B.,
Tdentification of a Candidate Peppiatory Region in the Phrancin School additional and Candidate Peppiatory Coloralization of Diase I Hypersenstive Dites and Natiax
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SEQÜENCE 14 AA; 1761 MM; 646350#2ZE7ACP38 (RV44)
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01-JUN 2002 (TREMBLIE) 21, Created
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Secularized Natural 2013-311-13538(1993).
Secularized S. AA, 1701 MW, 89884444844447.
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CFLCPR 15
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PubMed=11937547;
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Best Scott Similarity 33.3%; Pred. No. 7.18453;
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Epitope; mimotope; human; immunoglobulin E; igE; Crepsilon-2 domain;
allergic disease; immunoprophylaxis; immunotherapy; antiallergic;
immunosuppressive; vaccine; histamine release inhibitor; immunogen;
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29 - MAR 1999,
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epite, or Cepsilend, Cepsilon3, Cepsilon4, Emanactic Lin El
ign mediated disease; antibody response.
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100.0%; Pred. Mo. 1.3+ 50;
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22-FEM 2000: 2000GB-0004096.
22 AUG 2000: 000GB-0020707.
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 23-NSV 1999; 99GB-0027698
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The present invention relates to innkage methodology for use in the conjugation of compounds (e.g. peptides) to carrier vehicles (e.g. poptides) to carrier vehicles (e.g. polymers, polymers, pionerns) to produce of produce of innking an epitope (e.g. a peptide) to a carrier (e.g. a perten) for use in a pharmaceutical composition or a vaccine. The invention describes peptides derived from or immorpose of the invention describes peptides derived from or immorpose of the coperation or produce conjugated compounds. The compounds or compositions of the invention are used to produce conjugated compounds. The compounds or compositions of the invention of 1gE mediated diseases. The invention of allows for the treatment of 1gE mediated diseases. The invention protein as a set of of only immunogation of a peptide epitope (arrigen) to a protein a protective antibody response in an aliminal or human patient.

AAULOBS AAULOBS AAULOBS PRESENT PERIORS of mimorpopes of AAULOBS AAULOB
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(ACAM ) ACAMBIS RES 17D.
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Best Local Similarity 100.
Matches 16, Conservation
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for treating allergies comprising (\mathrm{II})_{ij} (3) a ligand (\mathrm{IV}) capable of
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                                                                                                                                                     invention
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                                        The present invention relates to conjugates suitable for use in vaccines, where the conjugate comprises a disturbine bridge cyclised peptide and an immunosynth cartner. The vaccines can be used in the interaction and allergies. The present sequence is a cyclic peptide inclusionen certified from buran immunoglobulin B (IgB) suitable for use in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The prisent invention describes a popular II compility on twolled surface exposed group/epilope [E1] of Chepsilon II do II mannowlebulur E (199), or its minutope. Also become a large in a minutope in the for treating allerly compilette.
                                                                                                                                                     Gaps
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Turnell WG. Van Mechelon MP. Vinals Follossis
                                                                                                                               100.0%; Score 89; DB 23; Longto le;
100.0%; Pred. Mo. 1.26-00;
  disulting bridge cyclized peptide and immunogenic carrier
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[PEPT= PEPTIDE THERAPEUTICS LTD]
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                       Claim 4; Page 11; 45pp; English
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9978 0010537.
9968-3018594.
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Matches 16, Conservative
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29 MAP 1994)
67 MAY 1996
67 MAY 1996
67 MC 1999
67 SEP 1999
67 SEP 1999
29 OCT 1999
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recognising ED; (4) a pharmaceutical composition (PC) comprising (UV); (5) a peptide (1a) capable of being recognised by (UV); (6) an immunogen (1a) capable of being recognised by (UV); (6) an immunogen (1a) capable of being recognised by (UV); (6) an immunogen can have antiallergic and immunosupprissive activities, and can be useful in medicine and inthe ranifactors of medicaments for treating and preventing allergies. (IV) its useful for identifying mimotopes of PL, in medicine and also in the manufactoring redicaments for treating allergies. (I) is useful in diagnostics and in the affinity purification of circulating and in ideal and also in diagnostics and in the affinity purification useful for treating about the about (I, (II) and PC are useful in diagnostics and in the affinity purification useful for treating a patient associated to esquences which are used in the exemplification of the present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Peptide C67/8 derived as mimotope of Cepsilon2 region of human 195
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87.5%; Pred. No. 1.2e-06;
"Wismarches 0; Indels
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(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.
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22-PEE 2000; 2000GB-0004996.
22-AUG-2000; 2000GB-0020707.
22-AUG-2000; 2000GB-0020708.
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Invention describes peptides derived from or examples of the Cepsilons (Cepsilons). Cepsilons of Americans of the invention are useful in the manufacture of a compositions of the invention are useful in the manufacture of a progression of the invention of allows for the troatment of 196 methaded Sissassa. The invention of allows for out to read conjugation in a peptide might progression and the form and in a manufacture which may be able to the form and the form of the form and the form of the form 
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Best Local Similarity 87.5%; Pred No. 1.05c.0c.
Marches 14; Conservative 2; Niviaiches 6; Inn.s
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Peptides useful for treating, preventing and ameliorating allergic diseases, comprished an isolated surface exposed group of a specific dorant from immentificable \Sigma
                                                                  Epirope, mimorope, buman, immunoglobulin B, 19B, C epsilon-2 domain, allergic diseasu, immunopiuphylaxis, immunotherapy, antiallergic, immunosuppiessive, vaccine, histamine release inhibitor, immunogen, alleigy, atopy.
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93, Van Mechelen MP, Vinals De Bassols YC;
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[PRET : PEPTILE THERAPEUTICS LTD.
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67-MAY-1999;
67-AUG-1999;
57-AUG-1999;
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allergy; atopy.
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AAB25935
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Saco
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100.0%; Pred. No BlAM (1)
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Tive 0; Kismatones
Mishatches
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(SMIK ) SMITHKLINE BEECHAM BICLOGIOACE.
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                                                                                                                                                      AAU1666, standard, Peptide, 13 AA
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The present invention relates to conjugates suitable for use in vaccines, where the conjugate compises a disulphade bridge cyclised peptide and an immunogenic carrier. The vaccines can be used in the treatment of allergies. The present sequence is a cyclic peptide immunogen derived from human immunogentie. FigE) suitable for use in the invention.
                                                                                                                                                                                                                                                                    immunoglobulin E, allergy, thio-ether linkage;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conjugate for use in vaccine for treatment of allergy, comprises disulfide bridge cyclized peptide and immunogenic carrier -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Turnell WG, Vinals Bassols YC;
                                                                                                                                                                                                         Human 198 cyclic immunogenic peptide SEQ ID NO: 108
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ABJ00324 standard, Peptide, 13 AA
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                                                                                                                                                                                                                                                                           Immunogen, human, igs. immuno
vaccine, antialletgici cyclic
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[7] | [1] | [1]
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The present invention relates to linkage methodology for use in the conjugation of compounds (e.g. poptides) to carrier vehicles

(e.g. racronolecules, polymers, dendifficates, proteins) to produce biological and immunological constructs. The invention provides a method for linking an epitope (e.g. a peptide) to a carrier (e.g. a protein) for use in a pharmaceutical composition or a vaccine. The invention describes protices described from or mirotopes of the finantians. Cepsilons proteins or mirotopes of the compositions of the invention are useful in the manuagibulin stopping and protein and interpretation of a performed to mirotope (antigen) to a protein so of the invention are useful in the manuagibulin stopping in the invention are useful in the manuagine of a performent for the invention are useful in the manuagine of a performance of the invention of a peptide epitope (antigen) to a protein so as to form an immission conjugate which may be able to raise a printeditive antibody response in an animal or buman patient. The Capsilon3/Cepsilon3/Cepsilon4 region of human 196.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A linkage comprising an immunogenic conjugate useful treatment of IgB mediated diseases.
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SMITHKLINE BEECHAM BICLOGICALS.
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22.FEB-2000; 2000GB 0604096
22.AUG 2000; 2000GB 0/20007
22.AUG 2000; 2000GB 0/20708
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diseases, complishing an isolated shiface expused group of a specific
demain from immunoglobulin E
                                                                                                                                                                                                                                                                                                                                                                                                                              Dyson M, Friede M, Greenwood J, Hewitt B, Lamoni A, Mason S;
Randall R, Turnell WG, Van Mechelon MF, Vinals De Bassols Mr)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Humany linkage technology, conjugated conjugate, centre recorded per operations, centre for the manufactural disease, antibody xesy nsec.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Corty Match
First Local Similarity 84.68; Pred No. 6.2 14
Marches II; Conservative 2; Misharcher
                                                                                                                                                                                                                                                                                                                                                             SMITHKLINE BEECHAM BIOLOGI MIN PEPTIDS THERAPEUTICS LIU.
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                                                                                                                                                                                                                                     99GB-0021046.
99GB-0021047.
99GB-0025619.
                                                                                         99GB-0004405.
99GB-007151.
99GB-0010537.
39GB-0016538.
93GH-001854.
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                                               23 FEB-2000;
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                                                                                                                                                                                                                                                                                                                                                             (SMIK)
                                                                                         ACK 63
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Saps c,

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The present invention describes a peptide (1) comprising an isolated surface exposed group/epitop* (EI) of C-epsilon-2 domain (3) of immunoglobulin E 1985, or its ammotope. Asso described are: (1) an immunogen [11] (2) a vaccine [11] (3) a vaccine [11] (3) a vaccine [11] (4) tection allergies comprising [1], (2) a vaccine [11] (5) a peptide [2], (4) a planaceutical composition [6] (5) comprising [17], (5) a peptide [3], and a planaceutical composition [6] (6) an immunogen [7] area entitle [3] and [4] producing [4] (7), (6) an immunogen [7] area entitle [4] and [4] and [4] area entitle [4] and [4] and [4] area entitle [4] and [4] area entitle [4] and [4] and [4] area entitle [4] and [4] and [4] and [4] area entitle [4] and [4] and [4] and [4] area entitle [4] and 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                             Peptides useful for treating, preventing and areliorating allergic diseases, comprising an isolated surface exposed group of a specific domain from immunoglobulin {\rm E} .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Peptide itsy deriver is mimotope of Cepsilon2 region of human 1g6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human, inkage tochmilogy, conjugated compound, carrier vehicle, epitope, Cepsilon2, Cepsilon2, Cepsilon4, immunoglobulin E; ign mediated disease, antibody response.
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Pred. No. 1.2e+62;
4; Mismatches 4; Indels
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(SMIK ) SMITHKLINE SEECHAM BIOLOGICALS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAU16642 standard; Peptide; 13 AA
                                                                                                                                                            Claim 14; Page 9; 129pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17.18;
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22-FEB-2000; 2000GB-0004096.
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22-AUG-2000; 2000GB 0020708
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Best Local Similarity 38.5
Best Local Similarity 38.5
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              WPI; 2000-572073/53
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                                                                                                                                                                                                                                                                                                                                                                                              The prisent invention relates to conjugates suitable for use in raccines, where the conjugate compilses a disciplide bridge cycliser provide and an immunogenic carrier. The vactines can be used in the tradiffent of allergies. The present sequence is a cyclic peptide arminogen derived from human immunoglobulin E (19E) suitable for use in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Saps
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alleggic disease, ammunoprophylaxis, immunotherapy, intraduction,
ammunosuppressive, vaccine, histamine release inhibitory, amminosuppressive, accept
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 66, DB 23; Length 13, Pred, No. 0.00094; 2, Mismatches 6; Indels
                                                                                                                                                                                                                                                                             Conjugate for use in vaccine for treatment of albeing, our disulfide bridge cyclized peptide and immuniquent curvies
                                                                                                                                                                                       Vinals Edssols YC:
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                                                                                                                   SMIK : SMITHKLINE PEECHAM BIOLOGITALS.
PEPT., PEPTIDE THERAPEUTICS LTD
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                                                                                                                                                                                       Turnell WG,
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99GB-0010537.
99GB-0010538.
99GB-0018594.
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                        19-AUG D001; 2001WO-EP09576
                                                                    22 ACCS-10001 20000B-0020717
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Best Local Similarity 84.0.
Best Local Similarity 84.0.
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29 MAR 1999;
07 - MAY - 1999;
07 - MAG 1999;
07 - MAG 1999;
07 - SEP 1999;
07 - SEP 1999;
29 - OCT 1999;
23 - NOV 1999;
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Randall E.
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AAR25917
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WPI: 2001 521967/57

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The present invention relates to linkage methology full use in the conjugation of compounds (e.g. poptides) to carrier pehicles.

The quanticonologicals, polymers, proteins in gradies, to biclestical and immunological constructs. The invention privious amplitudes deliver to a perfect to a contract of proteins in a pharmaceutical composition of a variety. The protein for use in a pharmaceutical composition of a variety. The cinvention describes peptides derived form minimized by the Tractical Cepsitions of Described Forman armore the compositions of the invention are useful in the manufacture of a composition of minimized the composition of a composition of a peptide epitique (article of a lower for controlled conjugation of a peptide epitique) article to a protective antibody response in an anima, or human patherit.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The prosent invention relates to conjugates sattable for use in vaccines, where the conjugate comprises a disulphide bridge cyclised peptide and an immunogenic currier. The vaccines can be used in the treatment of
                               an immunogenic conjugate useful ireathens of 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Immunoaen, human, 195, immunoglotolin Ep allenayo tano erber inokageo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conjugate for use in vaccine for treadment of alleray, Amplises disulfide bridge cyclized peptide and immosphoro carrier
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38.5%; Pred, No. 1.04+00;
tive 4; Mismatches 4, Indens
                                                                                                                                                                                                                                                                                                                                                                    the Cepsilon2/Cepsilon3/Cepsilon4 region of human 148.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Boman 148 cyclic immunogenic peptide SEQ 10 Not
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                                                                               Example 4: Page 21; 49pp; English
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Best Local Similarity 38.5;
Finnes 5; Conservative
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                               A linkage comprising
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                                                rediated diseases
                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 13 AA;
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allergies. The present sequence is a cyclic peptide immunogen derived from human immunoglobulin E (19E) suitable for use in the invention.
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                                                                                17.1%; Score 33; DS 23; Length 13;
38 5%; Pred. No. 1.2F+52;
11ve 4; M:Smatches 4; Indels
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                                                                                                                                                    : CEMNEGLADILETA 13
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                                                                                  Query Match 37.1
Best Local Similarity 38.5
Matches 5, Conservative
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Job time : 42 secs
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us-09-914-088-13.clos d.rapb

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Query Mat 'h
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Capyright (c) 1993 2003 Compagen Ltd.
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Gapop 10.0 , Gapext 0.5
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Match Length
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length: 16
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70	26	ch.	<u></u>	, 4	-09-965-87	20.
2.5	2.6	σ'n	.3	15	-30-103-957A-14	equence 14
22	98	ίŅ.		15	8-10-100-95	equence 14
23	3.6	2.67		15	10 211-088-1	17
5.4	97	ė,	~	15	10 211-088-31	Sequence 3:5, Ar
23	26	σ,	1.3	15	18-211-888 3	. 1
56	26	6.	7.	];	932-613.	e 53
23	26	Ġ.	ŗ	cv	3-09-932-322-5	e 53
29	56	Ġ.	.n		3-327-939	63,
56	26	Σ.	16	Ci , s	10-098-108 1	equence 10
30	ur)	œ	4.	2	-10 158-82	61
3.	25.3		q:	. 5	-10 158-847-6	equence 61
32	25.	a)	r-	S	5-698-900-01-	Sequence 3102, A
33	25	64. (D)	S	5	-10-006-869-310	310
34	5.5	œ	6	10	-09-779-308-8	equence 88,
35	:4	(I)	σ	12	6-680-888-036-8	90.
3.6	25	αn	5	12	10 177-277-8	equence 80,
3.7	25	28.1	9	l S	0.06-869-3	3.04
3.8	52	മ	۲.	$\stackrel{\circ}{\sim}$	39 779-308-	equence 43,
5.	25	28.1	c.,	0	-29-779-308-4	48,
4.0	25	دنت	13	100	-09-779-308-2	255,
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43	25	œ		. 7	-05-833 039-8	e 85,
44	25	28.1	(,) , •	: 5	-177-277	ednesce
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US-09-915 384-392

Sequence 392 Application US/09939394

Publication No. US203016526A1

Publication No. US203016526A1

Publication No. US203016526A1

APPLICANT GRAZITANC, FINA
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Pred: No. 2.2e+02;
1; Mismatches 1; Indels
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US-09-935 184 392
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USCOPERATOR AND TRANSCENSION SEQUENCE 47, Application US/09066782A

Publication No. 1820645010 8

APPLICANT SECOND SE
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CRGANISM: Homo saptems
US-09-935-384-674
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Publication 08/09935783
Publication 08/09935783
Publication 08/09035783
Publication 08/09035783
Publicant 10002030166526A1
Publicant 08/09037100
Publica
                                                Requence 488, Application US/09915384 Publication No. US20030166526A1 GENERAL IMPORMATION:
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Best Local Similarity 75.00
Matches 6: Conservative
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7 CRGANISM: Homo sapiens
US-09-935:384-489
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Sequence 20, Application US/0979054
Patent No. US202012102A1
GENERAL INFORMATION

TILLS INFORMATION:
TILLE OF INVENTION: USE OF DENDROASPIN AS A SCAFFOLD FOR NON DENDROASPIN COMAINS
FILE REFERENCE: A 7031277ALAMS
CURRENT APPLICATION WARPER: US/09/779,054
CURRENT FILING DATE: 2001 22 65
PRIOR APPLICATION NUMBER: US/09/779,054
CURRENT FILING DATE: 2001 22 65
PRIOR FILING CATE: 200 02-05
NUMBER OF SEQ 10 NOS: 2:
SOFTWARE: Patentin version 3.0
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APPLICANT Ramathan, G. S.
APPLICANT Ramathan, G. S.
APPLICANT Ramathan, G. S.
APPLICANT Ramathan, D. B.
APPLICANT Ramathan, D. B.
APPLICANT Cacace, A.
APPLICANT RAMAC, D. B.
APPLICANT RAMAC, A.
APPLICANT RA
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) OTHER LINCARATION: Description of Artificial Sequence: Synthetic
C100 OTHER LINCARATION: Polypoptide
US:09-966 7818-40
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31.5%; Score 28; DW 10; Length 16; 50.0%; Pred: No. 5.1e+02; dtive 1; Mismatches 4; Indels
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// Publication No. US2003002183A1
// GENERAL INFORMATION:
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Best Local Similarity 50.0
Matches 5: Conservative
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ORGANISM: Attilional
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US-09-966-782A-40
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LENGTH: 16
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Publication No. US2033186255A;
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: A NOVEL HOAD GENERAL PROTECTION COUNTRY, EXPRESSED HIG TITLE OF INVENTION: A PROTECTION COUNTRY APPLICANT APPLICANT APPLICANT BY SPINAL CORD CURRENT APPLICANTION: A NOVEL HOAD GENERAL CORD CURRENT APPLICANTION NUMBER US/10/2-4,905
CURRENT FILING DATE: 202-09-25
NUMBER OF SEQ. ID NOS. 75
SOFTWARE PALENTIN VERSION 3.1
SEQ. ID NO 47
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Publication No. US20020138934A1
SEMINANT Meyers, Rechel 8
TILLE OF INVENTION: RECHEL BY MOVEL BY MAINTENANT WE SEMINANT BY THE OF INVENTION: RECHEL BY THE OF INVENTION: RECHEL BY THE OF INVENTION: RECHEL BY THE OF INVENTION: RECHER BY THE OF INVENTION: THE OF INVENTION: 2002 02-07
PRICE REPRESENTE: 1048 1970;
CURRENT FILING DATE: 2002 02-07
PRICE APPLICATION NUMBER: 60/267,654
       ) OTHER LAFTRMATION: Description of Attificial Sequence: Synthetic
) OTHER LYFORMATION: polypeptide
US 09-966-782A-47
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57.1%; Pred. No. 4.84.67;
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                                                                                                                                                   Score 28, DP 11, Length .4,
Pred. No. 4.56+22,
1, Mismatches ... in Pals
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Rest Local Similarity 60.0%;
Matches 6; Conservative
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Best Local Similarity 60.0%;
Matches 6; Conservative
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                                                                                                                                                                                                                                                                                                                  3 MNKQLAFLEL 12
                                                                                                                                                                                                                                                                                                                                                             7 TYPE, PRT CRGANISM: Homo sapiens US-10 254-905-47
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US 10 071 275-6
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Best Local Similarity
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                                                                                                                                                                                                                              OTHER INFORMATION: Description of Artificial Sequence: pdb/lBFA/1BFA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE: INFORMATION: Description of Artificial Sequence: pdb/18FA/18FA
US-10-028-09-8 131
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Best Local Similarity (00.0%) Pred. No. 5.86+05;
Matches 4; Conservative 0; Mismatches 0; Indels
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US-10-029 2(PA 131
US-10-029 2(PA 131)
Sequence 131, Application US/10029206A
FUBLIGATION NO. US2030119720A1
GENERAL INFORMATION
TITLE OF INVENTION
FILE REFERENCE: 100 S2223S
CURRENT APPLICATION NUMBER: US/10/029,206A
CURRENT FILING DATE: 2001-12-21
PRIOR REFLICKNITION NUMBER: US/10/029,206A
CURRENT FILING DATE: 2001-12-21
PRIOR FILING DATE: 2001-03-29
SCFTWARE: Patentin Ver. 2.1
SEC ID NC 131
LENGTH: A
TYPE: PAT
ORGANISM: Allicida. Sequence
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ORGANISM: Artificial Sequence
NUMBER OF SEQ ID NOS: 175
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 132
DENGTH: 4
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                                            Sequence 40, Application US/10254905
Publication No. US20301862651
Singeral Information
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APPLICATION
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APPLICANT: Benner, Robert
TITLE CF INVENTION: Oligopeptide treatment of antitius
FILE REFERENCE: 2183-5222US
CURRENT APPLICATION NUMBER: US/10/029,705A
CURRENT FILES BATE: 2001-22
PRIOR PLILAGION NUMBER: 09/821,36.
PRIOR PLILAGION NUMBER: 09/821,36.
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Bast Codal Strilainty 100.0%, Pred. No. 4 on ...
Marches 4, Conservative 0, Mishaffits 10.
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Sequence 142, Application US/100280758
Fublication No. US/2001137331
DEMEMBER INFORMATION:
APPLICANT: When, Nisar A.
APPLICANT: Wenner, Robert
TILE NEFURENCE: 2183-523US
CURRENT APPLICATION Dene regulator
FILE NEFURENCE: 2183-523US
CURRENT APPLICATION NAMBER: EP 0120374-07
FRICE FILMS OFFER: 2001-12-21
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Best Local Similarity 60.0
Natches 6, Conservative
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US-10-254-905-40
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                                     US 10 254 905-40
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RESULT 15
Sequence 427, Application US/1021108%
Sequence 427, Application US/1021108%
Publication No. US20001104479A.
APPLICANT: Bright, Gary R.
APPLICANT: Bright, Gary R.
APPLICANT: Premy with Tail to David
APPLICANT: Premy with Tail to David
APPLICANT: Premy VIN-Tail
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APPLICANT: Premy VIN-Tail
APPLICANT: No. US2001064479Ale: Fusion Proteins Authorities Bit
FILE REFERENCE 01 1022-US
CURRENT PLING DATE: 2002-10-15
FRICE APPLICATION NUMBER: 60/309,395
FRICE APPLICATION NUMBER: 60/309,395
FRICE APPLICATION NUMBER: 60/31,599
FRICE APPLICANTON NUMBER: 6
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Query Match 29.2%; Score 26; DB 15; Length 9; Best Local Similarity 100.0%; Pred. No. 5.88+75; Matches 4; Conservative 0; Mismatches 7; Indels
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Sequence 14, App. Sequence 57, App. Sequence 57, App. Sequence 102, App. Sequence 102, App. Sequence 103, App. Sequence 103, App. Sequence 103, App. Sequence 80, App. Sequence 80, App.

Sequence 80, Apply Sequence 8104, Apply Sequence 117, Apply Sequence 85, Apply Sequence 85, Apply Sequence 85, Apply Patent No. 545,046

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RESULT 2
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TITLE OF INVENTION: INTERFEBON AELATED POLYPEPTIDES AS ILLEANS AND THEIR USE FOR MOEDLATING INMUNE FUNCTIONS
NUMBER OF SEQUENCES: 47
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 08/07/512,118
FILLING DATE: 20-APR 1990
LENGTH: 16
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US-08-218-226-57
US-08-1818-226-57
US-09-1818-859-3102
US-09-839-5428-3103
US-09-1818-859-3103
38-09-187-8859-3103
38-09-187-8859-3103
38-09-3187-8859-3103
53-39-344-640C-80
US-09-344-640C-80
US-09-344-040C-80
US-09-344-040C-80
US-09-344-040C-80
US-09-344-040C-80
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US-09-344-040C-80
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Pred, No. 2.5e+05
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Pred. No. 65;
1, Mismatches
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US-07-720 202-47
| Sequence 47, Application IS/19720420
| Patent As-5-67/
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Best Local Similarity 66.7
Matches 6, Conservative
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Matches 6, Conservative
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            Applement 13, Applement 14, Applement 14, Applement 16, Ap
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4. /cgD2_6/ptodata/1/ina/sB_CMS.pcp.*

5. /cgD2_6/ptodata/1/ina/sB_CMS.pcp.*

6. /cgD2_6/ptodata/1/ina/sckfilesi.pcp.*

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                                     GenCore version 5.
Copyright (c) 1993 - 2003 Co
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Gapop 10.0 , Gapext 6.5
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1 OFMNKQLADJEL"PRE 16
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seq length: 16
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Sequence:
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5310729-16
5310729-16
5310729-16
57 CHANNAR ALDEMAS
5 TILE OF INVENTION: INTERPREON RELATED POLYPEPTIDES AS CRE
5 LIGADOS AND THEIR USE FOR MODULATING IMMUNE FUNCTIONS
5 UNIVERS OF SEQUENCES 47
5 UNIVERS APPLICATION DATA:
6 APPLICATION NAMBER: US/07/512.118
6 FILING EATE: 20 APR 1990
S310729-15
PRICANT: LERNHASDT, WALDEMAR
APPLICANT: LERNHASDT, WALDEMAR
1TILS OF INVENTION: INTERFERON-PELATED POLYPEPTIDES AS CR2
1LIGANDS AND THEIR USE FOR MODULATING IMMUNE FUNCTIONS
1 NUMBER OF SEQUENCES: 47
1 CURRENT APPLICATION DATA:
2 APPLICATION NOMBER: US/07/512,116
1 FILLING DATE: 20 APF 1990
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PARPOR NO. FREQUENCY MALEBMAP
PARPOR NO. CHRISTON MALEBMAP
LITTLE BONDWILL OF THE CARE OF ALCENTAGE AND THEIR CARE TO A LUBTING DATON PROTECTIONS
COMPANDED FOR SEQUENCE AND A LUBTING DATON PROTECTIONS
COMPANDED FOR SEQUENCE AND A LUBTING DATON CALLON TO A LUBTING DATE: 20-APS 1990
FILING DATE: 20-APS 1990
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/PAZENT NO. 3810727 NATHEWAR
APPLICATE BEAUGHT N. ITTEREBENK RELAIFO MATTER AS CB2
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75.0%; Pred. No. 66; 2; Indels
tive 0; Mismatches 2; Indels
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Pi.5%; Score 28; DR 6; Length 9;
Bost Local Sirilarity +2.5%; Pred. Ko. 2.5e+5%;
Matches 5; Conservative 1; Mismatches 2; Indels
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Best Losal Strikarity 75.1.
Mac 6; Conservative
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Matches 6, Conservative
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         GENERAL INECRMATICA:

APPLIVANT: LORIGARIE, MARIO

APPLIVANT: SOURCAD, MARIO

APPLIVANT: SOURCAD, MARIO

APPLIVANT: VOLGERIAD, PHI

THIRE OF INVENTION: HYBRID PROCEIUS CONTAINING BITHS

NUMBER OF SECTENCES:

ADDRESSER: Higher & Fitting

STREET: 1120 Scriento Valley Boad, Shire Containing STATE:

CITY SAN DINGO

STATE: CALLIORINA

CONTRY: CALLIORINA

CONTRY: CALLIORINA

CONTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               33.7%; Score 40; There is no control 75.0%; Pred Ro. 44.7.
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TITLE 19 INVENTION: INTERPERON RELACISD FORTHERS AS
LOANES AND THEIR (SE FOR MODULATING ENGINE FUNCTIONS)
NUMBER OF SEQUENCES, 47
CURRENT AND DATA
ADMILITATION DATA
FILLIN DATE: 20 ARR-1930
                                                                                                                                                                                                                                                                                   COMPUTER REALMELE FORM:
MEDIUM TYPE: Ficopy disk
COMPUTER: ISM PC COMPATIBLE
OPERATING SYSTEM: PC-DCS/MS-Dk:
SOFTWARE: Patentin Release #1.2, Version #1.15
CHARKEL APPLICATION DATA:
APPLICATION NUMBER: Ds/07/726,...
FILING DATE: 19310621
CHARSHPICATION: 530
PHIOR APPLICATION: OATE:
APPLICATION: NAMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTOREY/ADBNT INFORMATION:
NAME: RINGLAT, DOUGLAS A.
REDISTRATION NUMBER: 32,450
REPRENCE/DOCKET NUMBER: C18011...
TELECONNINICATION INFORMATION:
TELECONNINICATION INFORMATION:
TELECONNINICATION INFORMATION:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 aming acids
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STRANDEDNESS: double
TOPOLOGY: Innear
WOLDSTUDE TYPE: DNA (genomic)
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Matches 6/ Conserv
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ATTENDATED, GENETICALLY-ENGINEERED
PSEUDCRABIES VIRUS S-PRV-155 AND USESTHEREOF
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TITLE DE TWANTION ATLEMENTED, SENETICALLY-ENGINEERED
TITLE DE TWANTION PREUDORABLES VIRUS S-FRV-155 AND USES
TITLE OF INVENTION: THEREOF
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE - 30hr P. Wille, Esq.
STREET: 30 Rocketeller Plaza
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         31.5%; Score 28; DB 1; Length 11; 57.1%; Pred. No. 1.46+02; tive 2; Mismatches 1; Indels
                   THEOPELICAN; CCCCHISTAN, WALTENDATED,
TITLE OF INVENTION: ATTENDATED, GENETICY
TITLE OF INVENTION: PSEUDCRAEIES VIRUS;
NUMBER OF SEQUENCES:
ADDRESSEE: ACRESS:
ADDRESSEE: John P. White, ESG.
CTRY: New York
CITY: New York
CCTRY: New York
STATE: New York
CCTRYRY: USA
ZIP: TILLS
COMPUTER EDALOSALE FORM:
MEDIUM TYPE: Ficppy disk
CCMPUTER: DEALOSALE FORM:
MEDIUM TYPE: Ficppy disk
CCMPUTER: DEALOSALE
COMPUTER: DEALOSALE
ATTORNEY/AGENT: NFORMATION:
FELECOMMUTER: DEALOSALE
CLASSIFICATION NOVERE: DEALOSALE
REPERENCE/COMPUTER: DEALOSALE
CLASSIFICATION NOVERE: DEALOSALE
CLASSIFICATION NOVERE: DEALOSALE
CLASSIFICATION FOR SEG. LU NO: 12:
SEQUENCE: CHARACTERISTICS:
CENTRAL ALLOSALES
COMPUTER: DEALOSALE
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ATTORNEY AGENT: DEALOSALE
CHERRAL ALLOSALE
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MEDIUM TYPE: Floppy disk
COMPLUER: 18M FC compatible
OPERATING SYSTEM: PC-DOS/MS-DCS
SCHTWARE: Patentin Release #1.24
CUPRENT APPLICATION DATA:
AFPLICATION NUMBER: US/68/055,530
FILING DATE: 19940430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 13, Application US/CR05530
Fatent No. 5451499
GENERAL INFORMATION.
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CLASSIFICATION: 436
ATTORNEY/AGENT INFORMATION:
NAME: White Esq., John P.
             Cochran, Mark D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 57.1
Matches 4, Conservative
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STATE: New York
COUNTRY: USA
ZIP: 10112
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Patent No. 5440703

CENERAL INSPARTION:
APPLICANT: Cochran, Mark D.
TILE OF INVENTION: ATTENDATED, GENETICALLY-ENGINESSED
TILE OF INVENTION: PSEUDORABIES VIRUS SERVELSS AND MESTIVED NUMBER OF SEQUENCES.
CORRESPONDENCE ADDRESS:
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57.1%; Pred. No. 1.44+02;
tive 2; Missarches 1: Lones
                                                                                                                                                                                                                                                                                     Query Match 31.5%; Scott (8) (15 6) Length 9, Best Local Similarity 62.5%; Pred No 1.56+65. Matches 5; Conservative 1; Mismarches 1; Conservative 1; Mismarches
CURSANS AND THEIR USE FOR MODULATING IMMUNE FUNCTIONS

NUMBER OF SEQUENCES: 47

CURRENT AFFLICATION DATA:

APPLICATION NUMBER: US/07/512.118

FILLING DATE: 20-APR-1990

SEC ID NO.44:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER REALGEBEE FORM:
MEDIUM TYPE: Floppy disk
COMFUTER: Har PR COMPATIBLE
COPERATING SYSTEM: PC-COS/MS-COS
SCHWARE: Patentin Release #1.24
CORRENT AFFLICATION DATA:
ANDLICATION NUMBER: US/07/665,410
F11.10G DATE: 1991031
CLASSIFICATION: 424
ATTORNEY/ACENT INFORMATION:
NAME: Wille Enq., John P.
REGISTRATION NUMBER: 28,678
REGISTRATION NUMBER: 28,678
REGISTRATION NUMBER: 38727
FELECOMMUNICATION: INFORMATION:
TELEPRINE: (312) 977-9550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 32, Application US/07663413
Parent No. 5241703
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    E. John P. White, Esq.
30 Rockefeller Plaza
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPRAS. (312) 977-9550
TELEPRAS. (212, 564-525)
TELEPRAS. (222, 564-525)
TELEPS 422523 C.OP UI
INFORMATION FOR SEC ID NO. (3):
SEQUENCE CHARACTERISTICS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             : It amino acids
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MOLECULE TYPE: protein
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Best Local Similarity
Matches 4, Conserval
                                                                                                                                                                                                                                                                                                                                                                                                                 6 QLADLELC 13
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1 EYOLCPR 7
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STREET: 30
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US-07-663-413 13
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Sequence 5, Application US/08142590B
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APPLICANT HIBLE I SECHENCE TARAHASHI, Tadabiro; HORII, Izumi; and
TITLE PERVEYTHEN USCALNASE PLASMINGGEN ACTIVATOR FRAOMENTS
CORRESPONDENCE ALDERSS:
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11.5%; Score 28; DB 4; Length 13;
Best Local Similarity 10.8%; Pred. No. 1.7e+02;
Matches 4; Conservative 3; Mismatches 6; Indels
                                                                                                   Sequence 1. Application US/09402641
| Sequence 1. Application US/09402641
| Patent No. 6526039
| GENERAL INFORMATION:
| APPLICANT BUSESCE, Markus
| APPLICANT BUSESCE, Hoist
| APPLICANT MAGDIES, Winton Modern
| APPLICANT MAGDIES, Winton Modern
| APPLICANT MAGDIES, Wintstopn
| PRIOR FILLNG DATE: 1997-04-11
| PRIOR FILLNG DATE: 1997-04-14
| WUMBER OF SEQ ID NOS: 10
| SOFTAMEN PATENTIN VEH. 2.1
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MEDITAL TYPE: PLOEDY 31SK
COMPUTER: IBM PC COMPATILIDE
CORPSTING SYSTEM: PC-DOS/MS-DOS
SOFTARE: ASCIL TEXT
CURRENT APPLICATION NUMBER: US/08/142.590B
FILING DATE: DS OCT-1993
RAICA APPLICATION NUMBER: US/08/142.590B
FILING DATE: DS OCT-1993
ATTORNEY/AGENT INFIRMATION:
NAME: Myers, Fab. L.
RECISTRATION NUMBER: 15,345
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            B: LAHIVE & COCKFIELD, LLP 28 State Street
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CRGANISM: Artificial Sequence
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STREET: 28 State Street
CTTY: BOSCON
STATE: Massachusetts
COUNTRY: USA
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US-08 142-590B 5
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Sequence 32, Application US/0805530
Patient No. 5458490
DIFFERAL INFORMATION
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CORRESPONDENCES: 32
CORRESPONDENCES: 36
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Best Local Similarity 57:1%; Pred. No. 1.40+/2;
Matches 4; Conservative 2; Minmatches 1; Indels
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PESISTRATION NUMBER: 28,679
REFERENCE/DONCET UNDER: 38720-2/JFW/CELL
TELECOMENTICATION INFORMATION:
TELECHONIC (212) 977-9550
TELECTA: (212) 64-052
TELECTA: (213) 64-052
TELECTA: (213) 64-052
TELECTA: (214) 64-052
TELECTA: (215) 64-052
TELECT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER FERRAL FORM:
NEGLIAM TYPE: FLORY disk
COMPUTER LIM PC Comparible
CLEBATING SYSTEM: PC-DCS/MS-DCS
SCETWARE PALENTIN RELEASE #1.14
CURRENT APELICATION DATA: APELICATION DATA: APELICATION DATA: APELICATION NUMBER: US/08/055,10
FTLING DATE: 17530430
CLASSIFICATION HYBER: US/08/055,10
FRIEDSY/ARMATIN HYBER: US/08/055,10
FRIEDSY/ARMATIN HYBER: 28,679
FRIEDSY-MATION INFORMATION:
TELEBEN MORPOGRAZI NUMBER: 39728 1.71
FELSEN MORPOGRAZI NUMBER: 39729 COSPITED STATES CORPORT TELEST CORPORE SEQUENCE CHARACTERISTICS:
LENGTH: 11 anino acids
LENGTH: 11 anino acids
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US-08-055-530 #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   / TOPGLOGY: Inment / MOLECULE TYPE: projetn US:08 058-530 13
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CITY: New York
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Search completed: November 5, 2003, 18:15:08 Job time: 22 secs
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APPLICANT MCCONEL, David
APPLICANT MCCONE, 185
ADDERSEE MO. 56437020 NO. 5847702disk of No. 64477cm America, 100.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Coery Match
Best Local Similarity 30.8%; Fred. No. 1.994(2)
Matches 4; Conservative 3; Migmatches 6; Infels
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RECISTRATION NUMBER: 38,127
REFERROLD/DOCKET NUMBER: 36,1214 US.
THICONNUNIONION INFORMATION:
TELEPRAT. 212-867-0123
INFORMATION FOR SEQ ID NO: 93:
SAQUENCE CHARACTERISTICS:
LENGTH: 14 uming acids
        REFLECTION NUMBER: MGP 0000P TELEVONNULDICATION INCORMATION: TELEVONNULDICATION INCORMATION: TELEFRAM: (617) 227-5941 INCORMATION FOR SEQ IO NO: 5: SEQUENCE CHRRACTERISTICS. SECURITE: 15 amino acids
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US C9-248 Righto)
/ Sequence 03, Application US/06248830
// Sequence 03, Application US/06248830
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TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 CVSNKYFSNIHWC 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             I CEMNROLADIELO 13
                                                                                                                                                                                                                                                                                          TYPE, amino acid
TOPFLORY: Innea: MCLECTILE TYPE: popilade
TPAGMENT TYPE: Internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        / MOLECULE TYPE: Protein
US-08-248-8390-93
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Glutathione-disulfide toductase (EC 1.8.1.7) - malaria parasite (Plasmodium faloiparum) Globecies: Plasmodium faloiparum Clopacies: Plasmodium faloiparum Clopacies: Plasmodium faloiparum 13-Mar-1907 #text_change 03-Jun 2002 Clopacies 28-not 1996 #sequence_revision 13-Mar-1907 #text_change 03-Jun 2002 Clopacies: 562609 R.Krauth Siegel, R. L.; Mueller, 4.6.; Lottspeich, F.; Schirmer, R.H. Bur, J. Biothem, 235, 345-350, 1996 A/Title: Glutathione reduciase and glutamate dehydrogenase of Plasmodium falciparum, th A/Reference number: 562609 MIID:96202957; PMID:9631352 A/Accession: 562609 MIID:96202957; PMID:9631352 A/Accession: 562609 A/Accessi
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Na-/K+exchanging ATPase (EC 3.6.3.9) alpha chain - dog (fragment)
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B.Lehner, F. J.
Submitted to the EMBL Data Library, August 1994
A; Description: Human HiA-A:2: restricted recognition of influenza A is dominated by TA-Ascession: S4736.7
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Cispedies: Mismuscolus (house mouse)
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Cispate: 31-05c 1991 Hsequence revision 31-Dec-1991 Hiext_change 30.May-1997
Cispate: 31-05c 1991 Hsequence revision 31-Dec-1991 Hiext_change 30.May-1997
R:Nakano, N : Kikutani, H-I Nishimoto, H-I Kishimoto, T.
A.Title: T cell receptor V groe usage of islet beta cell reactive T cells is not skreference number: Protos, MUTD-91217641; PMID:1902501
A.Accession: PT218
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57.1%; Pred, No. 8.7e+02;
(41.10e 0; Mismatches 3;
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Best Local Similarity 57.1
Matches 4: Conservative
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(Species Felobacter).
(Species Fe
                                                                                                                                                                                                                                                    P.Brown, D.M.; Updateft, J.A.; Updateft, P.,
Fur. J. Bruthem. 241, 155-16. 1996

Fur. J. Bruthem. 241, 155-16. 1996

A.R. Bruthem. 241, 155-16. 1996

A.R. Bruthem. 241, 155-16. 1996

A.R. Brather of Missing NADH oxidase from the protoning statistic disclosure of mambers S74130; WULD:97054-14; PWID:83-8971.

A.A. Gession: S74130

A.M. Brown of the protoning protoning the statistic of the statist
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                                                         C.Species: Giardia duodenalis
C.Date: I.:Mar.:1998 #sequence_revision IV-Apr.:1998 #fext_change 07 May-1999
C.Accession: S74130
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50.0%) Pred No. 3.88+6.;
63ve 2. Mowmanches 4, Indexs
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As Perfection number: 365429, MUID:962154 (4), PVID:86443079
Ascreening 563430
Ascreening type: protein
As Residue: (1 16 PEI)
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57.1%) Pred No. 1 m. ..
Glardia duodenalis (fragrent
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A,Experimental source: Tlymphocyte
C)Keywords: TloelLiedeptor
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Marches A, Conservative
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Matches 6, Conservative
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A;Residues: 1.14 <CAS>
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sperm-activating peptide (Set 5 speract) - sea urchin (Anthocidaris crassispina)
CiSpecies: Anthocidaris crassispina
CiSpecies: Anthocidaris crassispina
CiSpecies: Anthocidaris crassispina
CiSpace (3-Van-1993 #sequence_revision 03-Jun-1993 #text_change 18-Aug-2000
CyBaccession: #66787
Right No. Xajiura, H.: Nomura, K.: Garbers, D.D.: Yoshino, K.: Kurita, M.: Tanaka, P.
Comp. Blochem: Physiol. B 89, 687-693, 1988
A/Title: Some more speract derivatives associated with eggs of sea urchins, Pseudocentro
A/Reference number: A60787; MJD:88442184; PMID:3374407
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Affiliae, Some rice speract derivatives associated with eggs of sea urchins. Pseudocentra A;Reference iurrbar: A60783. MUID:88242184: PMID:3378407
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A,Residues, 1 10 k302x
C,Comment: This oligoperside from egg jelly is one of several from this species, all of
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                                                                                                                                                                                                                 hirudin la medicinal lecch (fragment)
N.Alternate names: thrombin inhibition
C.Species: Rivido medicinalis (medicinal lecch)
C.Species: Rivido medicinalis (medicinal lecch)
C.Accession: S04671
R.Scharf, M., Engels, J., Tipper, D.
R.Scharf, M., Engels, J., Millory (1897)
A.Reference number: S05071, Mulboro06645; PMID12792365
A.Accession: S05671
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CiDate: 03-Jun-1992 #sequence_revision 03-Jun-1993 #text_change 18-Aug-2000
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A.Residues: 1-17 <SCHA
C.Superfamily: thrombin: inhibitor.
C.Superfamily: thrombin: inhibitor.
C.Keywords: anticoagulant; setine proteinase inhibitor; sulfoprotein.
F;6-14/Disulfide bonds: #status predicted
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MEDLINE-96215436; FubMed-8647079;
Reichenbecher W., Ruediger A., Kroneck P.M.H., Schink B.;
Reichenbecher W., Puediger A., Kroneck P.M.H., Schink B.;
Reichenbecher W., Puediger E., Romen G. Inclear B. associated
with each subunit of the heterodimeric More-S protein
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10-FEB-1996 (Rel. 3), Last sequence update;
01-OCT-1996 (Rel. 34, Last annotation update;
Pyrogalloi hydroxylliansferase large subunit (EC 1.97.1.2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     56.00 Score 30, DB 10 Sength 16, 50.08; Pred. No. 26-02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mistatches
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-: SUBJUIT: Heterodiner of a large and a
PIR, S65430; S65430.
PIR, S65430; S65430.
POLYBORNUM -- 16 May 1600 MW; HESTARDESTACA
                                      V23K_WSSV
BCML_PSEGU
UHA1_HUMAN
UN46_CLOPA
                                                                                                                                                                                                                  DILH PSESP
PLAS MICAE
CD4 SHEEP
TU14 SPIDL
ITRA ALBJU
ACT CARMA
CPS3 DROVI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ..
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity 50.0
8, Conservative
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01.FEB-1996 (Rel. 3), Created.
01.FEB-1996 (Rel. 3), Last sequency update)
28-FEB-205 (Rel. 41, Last annotation update)
28-FEB-205 (Rel. 41, Last annotation update)
protein 31 (Fragment)
Pasciola hepatica (Liver 1)uke).
Eukaryota, Metazoa, Platyhelminthes; Trematoda, Digenea,
Eckaryota, Metazoa, Platyhelminthes; Trematoda, Digenea,
MCBI Taxib 6192;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDITING DARRAGES, runtwed Ofgasio,
Thailmeyor ( . Ashman K., Membern E.)
"Fascolda begantosa napid them thication of newly excysted juvenile
                                                                                                                                                                                                                      MEDLINE STORES 46, Futived 2792365, Scharf M., Engels J., Tripier D., Scharf M., Engels J., Tripier D., Scharf M., Engels J., Tripier D., Fersimary structures of new 'iso-hirudins'.", FERS Join, 258:106 Inclines. A potent thrombin specific protease introduce. If forms a stable non-covalent complex with alpha introduce. Theretay abolishing its ability to cleave fibrinogen. F. SUBCELLUAR LOCATION: Secreted.
F. SUBCELLUAR LOCATION: Secreted.
FIRE SUBGRILL AND STORES TO THE HIRUDIN FAVILY.
HSSP, POIGSC: IHIC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           proteins.);
Blocher, Biophys. Res. Commin. 213:169-174:11995;
--- CATALYTIC ACTIVITY: Bydrolysis of proteins and small-molecule substrates at April-/Xaa bonds.
--- DEVELOPMENTAL STAGE: EXPRESSED AT THE NEWLY EXCYSTED JUVENILE
                     Hirudin IA (Fragment').
Hirudo medicinalis (Medicina). Leech).
Edkaryota, Metazoa, Annelida, Clitellata, Hirudinida, Hirudinea,
Arynchebdellaa, Hirudiniformes, Hirudinidae, Hirudininea,
NCBI TaxID-6421;
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55.6%; Pred. No. 1.34+03;
tive 1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23.2%; Score 26, DR 1; Length 17, 46.2%; Pred, No. 7.7e+02; tive 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     most, forces, PR005429, Hirudin.
Pfam; PF09713; Hirudin; ...
Serine protease inhibitor; Suifation; Multigene family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NON_TER 17 :7
SEQUENCE 17 AA; 1877 MW; 89040678603010E7 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20 AA; 2278 MW; 865F369A1A03874D CRC64;
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28-FEB-2003 (Rel. 41, Last annotation update)
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Best Local Similarity 46.2%
Thomas 6, Conservative
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Matches 5; Conservative
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ID HGL1 FASHE
AC F80527
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PRACTO,
OF PERFORM (REL 28, Last sequence application)
OF PERFORM (REL 28, Last sequence application)
OF PERFORM (REL 28, Last annotation optime)
Towarticate A L.
Towarticate A 
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                                             THE MIRKEDS DESCRIPTING THE SECOND AND CONTINUATE THE SECOND SECO
                                                                                                                                                                                                                                                                                                                                                                                                                        InterPro; IPROS1602; Chaine binding;
InterPro; IPRO6026; Glyco hydr. 19.
PROSITE: PS00026; CHITIN BINDING; PARTIAL.
PROSITE: PS00073; CHITINGE 19.1; PARTIAL.
PRISITE: PS00074; CHITINGE 19.2; PARTIAL.
Hydrolase; Glycosidase; Chitin degradation; Chitin timble;
Moltique tamly.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 23.2%; Somme why first livering less 83.3%; Pred: No. 1 44.4%; active 0: Manualities 1, 1 hour
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NON 188 - 15 15
SRICHNOE 15 AA; 1438 MW; 2335550688118849 CPO54,
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SIPIC 15 FARNENY.
SEQUENCE 15 AA, 1339 WW, SARBAJECTIONERS OF ME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ishinashi Y., Sakugama Y., Isonii / 1909 A. (2009) And Salaminings of Themorogens A-909 and A control of the months of Thomas of Thomas and Table 1994 And 1994 And 1998 And Incompanies Functions Transferge A. 1608 Construction Transferge A. 1608 Construction Construction (1998)
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PRi. 24, Last Segneine upatte
                              Birte; TissUE=Leaf;
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17HR HIRM: 1
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   SECTENTE:
STEATN CV.
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ferredoxin · NADH.
-1- COFACTOR: FAP, REQUIRES MAGNESIUM.
PIP, A44897, A44899
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                                                                                                                                                                                                          9 VMDVDLCGGSSG 18
                                                                                                                                                                                                                                                                                               VVDVPFGGAKAG 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STANDARD;
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Best Local Similarity
Than 5; Conserva
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ID FENR_STRGR
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SEQUENCE
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Thomas thymns (Bluefin tuna)
Thomas thymns (Corden tuna)
Exaryotas Metarra Chorden Crutists
Acriticopterytis Neopterygis, Toleoster; Suffice to 15-19-19-19-19-18
Acriticopterytis Kanthopterygis, Petrimoster, Prostore to 15-19-19-19-19-18
Scombridge Thismus
NWH Daxib Exit.
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AND INDICES FORMATION OF CONJUGATION TUBES IN A MATING TYPE CELLS.

FIF. Action, June 1.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota: Fungi; Basidiom/oota; Hymenomycetus, Hotera actt, nv ctrss:
Tremoilomycotidae: Tremoilales: Tremoilabea; Tremoila.
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IN EMPTO: IPROS6095; GLEV dehydrog.

INTERPROSED FOR GLEV GHYDROG N. PRESENTED FOR SERVICE OF PROSELS; GLEV dehydrog N. PROSELS; GLEV DEHYDROGENSE, FAPITAL.

OXIGORGUGIASS; NAD.
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Veronese F.M., Bevilacqua R., Bocci E., Bi wi D.M.,
"Purification, characteristics and sequence of a perification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sakagumi Y., Yoshida M., Isogai A., Suzuki A.,
"Peptide sex hormones inducing conjugation tube formit in in
compatible mating type cells of Tremelia mesentetica ":
Sinonce 212:1525-1557(1981).
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D1.FEB-1991 (Rel. 17, Last Sequence update)
O1.OCT 1996 (Rel. 34, Last annotation update)
MAO Specific glutamate dehydrogenase (EC 1941. 1960) 000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 24, 28 1, Tangth 14:
Pred, No. 1.1e+03:
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1518 XW; PE299AATURFINGE 5 04
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                                                                                                                                                                                                          TALL TREME STANDARD, PRT, 13 AA PLITO.
21 JUL 1936 (Rel. DI, Created)
CLUL-1986 (Rel. DI, Last sequence update)
CLUNDV 1931 (Rel. 20, Last annotation update)
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Blochim, Blophys. Acta 445:1-13(1904).
PATALYTIC ACTIVITY: L-glutamate + H + NH(3) + NADH.
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Tremella mesenterica (Jelly fungus)
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GRAS CAMEA
STRUCKER STRUCKED; PRI), 14 AA.
AC 1994-12, 1944 Sel. 45, Treated)
DT 15 JUL 1948 Sel. 45, Last sequence update)
DT 15 JUL 1948 (Sel. 45, Last annotation update)
DT 15 JUL 1948 (Sel. 45, Last annotation update)
DT 15 JUL 1948 (Sel. 45, Last annotation update)
DT 15 JUL 1948 (Sel. 45, Last annotation update)
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Electrophoresis 18.279-2802(1997).
FUNCTION: IMPLICATED IN THE CONTROL OF CELL PROLIFERATION AND CELLULAS AGINS: MAY ALSO ATT AS A CHAPERONE.
SUB-LILLIAN FOR THINKING MITOCHOLDIATAL.
SUB-LILLIAN FOR THINKING MITOCHOLDIATAL.
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Marmalia, Eutheria, Carmivora, Fissipodia, Camidae, Caris.
NCBI_Tax10±9615;
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Dunn M.J., Corbett J.M., Wheeler C.H.;
HISC 20PAGE and the two-dimensional gel electrophoresis database
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Ramachindra M., Serbaram R., Emptage M.H., Sariaslani F.S.;
Ramachindra M., Serbaram R., Emptage M.H., Sariaslani F.S.;
Ramachindra M., Serbaram R., Emptage English and flour-inducible ferrodoxin reductase of Sireptomyces griseus.";
J. Bartennol. 173:106-7112(1993).
J. FUNCTION: COUPLE FIRETRON TRANSPER FROM NADH TO CYTOCHROME PROGRAMMYTIC ACTIVITY: Reduced ferredoxin + NAD(4) = oxidized
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Hacteria, Antinobacteria, Autinobacteridae, Actinomycetales,
Streptomycineae, Silentomycetaceae, Streptomyces,
NCRI_TaxIC.1911,
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     Length 16;
                                                   Indels
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01-YAR-1992 (Re). 2), Last sequence update)
15-UCL-1998 (Re). 36, Last ammodation update)
Ferredoxinn-NAC(*) reducease (EC 1.18.1.3) (Fragment).
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21.4%; Score 24; DR 1; Le
41.7%; Pred. No. 1.4e+03;
51vc 2; Mismatches 5;
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TISSUELAbdominal perisympathetic or pass.
MELLINE 992:2469; PubMed-10196736;
Prodel B., Kellner R., Nachman B.J., Bolmen G.M., Engus G., Leeberde, B., Kellner B., Nachman B.J., Bolmen G.M., Engus G., Leeberde, Molfferential distribution of pyrokinia isotoms in perford 403 abdominal reprodess of the American approximation. The Insect Blochem. Mol. Biol. 29:139:14119999.
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PRESS;
16-CVT 2001 (Rel. 40, Created)
16-CVT 2001 (Rel. 40, Last sequency update)
16-CVT-2001 (Rel. 40, Last sequency update)
16-CVT-2001 (Rel. 40, Last annotation applate)
16-CVT-2001 (Rel. 40, Last annotation applate)
16-CVT-2001 (Rel. 40, Last sequency update)
16-CVT-2001 (Rel. 40, Last sequ
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FRCSITE, PSCC297; HSP70.1; PARTIAL
PROSITE, PSCC297; HSP70.2; PARTIAL
STITE: PSC1256; HSP70.3; PARTIAL
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MEDINE-94221064; Subsed=1344885;

MEDINE-94221064; Subsed=1344885;

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A Bolina R., Ceriotti A., Vitale A.,

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MULTIMENIC PROTEIN COMPINERS INSIDE THE BR.

MILARITY: BELONGS TO THE HEAT SHOCK PROTEIN TO FAMILY.

SUBCEITING PROSEINS TO THE HEAT SHOCK PROTEIN TO FAMILY.

InterProt PROSEINS 185PC 1, PAPTIAL.

PROSITE: PSOUG 29; HSPPC 2, PARTIAL.

PROSITE: PSOUG 29; HSPPC 2, PARTIAL.

PROSITE: PSOUG 29; HSPPC 2, PARTIAL.

PROSITE: PSOUG 29; HSPPC 3, PARTIAL.
16.CCT 2021 (Rel. 4C, Last annotation update)
Lucrical binding protein (78 kDa glucose-regulated protein homolog)
(GRP 78) (Fragment)
Phaseolus vulgaris (Kidney bean) (French bean)
Eukaryota, Viridiplatiae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, eudicotyledons; core eudicots, Rosidae,
eurosids 1, Fabales, Pabaceae, Papilionoideae, Phaseoleae, Phaseoleae,
VIII. TaxiD: 3885;
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Electropholesis 10:1098 11:08(1909),
Electropholesis 20:1098 11:08(1909),
Electropholesis 20:1098 11:08(1909),
Electropholesis 20:1098 11:08(1909),
ENGITERS ARE HIGHLY CONSERVED PROTEINS THAT ARE INVOLVED IN VARIABLE OFFICE (BY SIMILARITY),
IN ALL BORKARYCHIC CELLS (BY SIMILARITY),
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Eukarysta, Viridiplantar, Streptophyra, Embryophyta, Tracheophyra,
Spermatophyta, Conferopsida, Conferales, Pinaceae, Pinus.
NGBI Tax10-71647.
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MEDUINE 98418476; Pubwed=9747804;
Oosta P. Fahrman N., Prigerio J. M., Kremer A., Plomion (
Water-deficial-responsive proteins in maritime pine.";
Plant Mol. Biol. 84587-596(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19.6%; Score 22; DB 1; Longth 20; 50.0%; Pred. No. 3.38+03; tive 0; Mismatches 2; Indels
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20 20
20 AA; 2147 MK; 809D43AF21A21476 CRC64;
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15-JUL 1998 (Rel. v6, Last sequence update)
15-MAX 1066 (Rel. s4, Last annotation update)
Actin: Water stress responsive protein 50 (Fi
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10 VOLCGGSSGG 19
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       NCBI_TaxID-161274;
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    1) TISSUB SPECIFICITY: Expressed by the skin person of and/or instial

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PB1065;
28-FRB-2003 (Rel. 41, Last sequence update)
15-SFP-2003 (Rel. 42, Last annotation update)
15-SFP-2003 (Rel. 42, Last annotation update)
MAXXIII 6.
MAXXIII 6.
BOXELIA maxXII 6.
EWARYOTA: Metazoa, Chordata, Craniata, Wettebista; Eureleostini,
Ambhibia: Batrachia, Anura, Archeobatrachia; Bortina etidae; Echibida.
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Wangle K.J., Stone D.J.M., Bowie J.R., Wallace J.C., Tyle: M.T.;

Wangle K.J., Stone D.J.M., Bowie J.R., Wallace J.C., Tyle: M.T.;

Peptidos from Australian frogs. The structures of the challes and caeridins from Litoria gilleni.";

J. And. Res. 139:337-961(1993).

- FUNCTION: CARRIDINS SHOW NEITHER NEUROFEPTIDE ACTIVITY N.P. ANTIBIOTIC ARTIVITY. Secreted.

- SUBCEDIARR LOCATION: Secreted.
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Ambibia, Barrachia, Amura, Neobatlachia, Pufeberidasi Bylidae.
Pelodryadinae: Litoria.
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    -f. SUBCELLULAR LOCATION: Cytoplasmic (Sy similarity)

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Amphionan defense popiide; Amidathin
Manual RES 15 15 AM 1410 MW; OFFIRSELTS FEB
SEQÜENCE 15 AM 1410 MW; OFFIRSELTS
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10 CONZ LITG: STANDARD, PRT, 15 AA.

A PS6.240

DT 15.UL-1998 (Rel. 36, Created)

ET 15.UL-1998 (Rel. 36, Last sequence updare)

DT 15.SEP 1003 (Rel. 42, Last annotation updare)

DC 05. Litoria gillen: Pentralian free frog.
                                      ! INDUCTION: By water stress.
                                                                                                IncerPro; IPR04031, Agein.
IncerPro; IPR04031, Agein.
IncerPro; IPR04031, Actin_like.
Plam; PF0422 actin; 1.
PF081TE; P505406; ACTINS :; PARTIAL.
PF081TE; P501132; ACTINS :; PARTIAL.
PROSITE; P500432; ACTINS 2; PARTIAL.
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Matches 4, Conservative
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Matches 4, Conservative
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NON TER 15
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MAX6_BCMMX
   CDEPTH SCOOO X N A C X P E E E C C C C C X E E S
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                           TISSUE-Skin secretion; Crr E.F., Bjourson A.J., Rao P.F., Shaw C., Theo T.B., McClean S., Crr E.F., Bjourson A.J., Rao P.F., Shaw C., "Isolation and structural characterisation of antimicrobial peptides from the venom of the Chinese large webbed bell toad (Bombina maximal.";
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostori;
Amphibia, Satrachia, Anura, Archeobatrachia, Bombinatoridae, Bombina
NCBI_TaxID=161274;
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SEQUENCE, FUNCTION, SUBCELLULAR LOCATION, AND TISSUE SPECIFICITY
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43.0%; Pred. No. 4.5e+03;
tive 2; Mismatches 4; Indels
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                                                                                                                                                                                           Submitted (JUL-2001) to the SMISS-PRCT data bank.

- FERCITOR Has Antomicrobial activity.

- SUSGELLIDAR LOCATION: Secret dd.

- INSUE SPECIFICITY: SKIN.

- STMILARITY: BRIGHTY: SKIN.

- MIDINIAN DESCRIPTION: TO THE BOMBININ FAMILY.

- SMILARITY BRIGHTS: THE BOMBININ FAMILY.

- SMILAND DESCRIPTION: A PROSECUENCE TO A PAINT FOR THE BOMBINION.
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- FUNCTION Has ditimicrobial activity.
- SUBPEZIJULAR LOCATION. Secreted.
- TISSUS SPECIFICITY: Skin.
- SIX.IARTIY: EBLONGS TO THE BOMBININ FAMILY.
AFFAIRM: defense peptide, Antibiotic.
SIQUENCE. 20 AA; 1977 YM; EC7541AD6BE2F949 CRC64,
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28-FEE-2003 (Rel. 41, Created)
28-FER 2003 (Rel. 41, Last sequence update)
15-SEP 2003 (Rel. 42, Last annotation update)
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Best Local Similarity 40.0*
That 4: Conservative
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Best Local Similatity 43.0
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(c) 1993 2003 Compagen Ltd.
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Maximum Match 100%
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3: sp.bacteria:*

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MEDINE=96292957; PurMed-8611352;
MEDINE=96292958 F.L., Muller 1.5.1.
"Sluranies of Plasmodium "Sluranies of Plasmodium falcipair", the remains again of iropical malaria.";
Eur. J. Biochem. 239345 15011396;
SEQUENCE. 15 AA; 1409 MW; 2089470540A247F6 CRC64;
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SECTIONS: 94.74592, BubMed=7486182, Cumi T., Minakata H., Cumi T., Massushima O., Ikeda T., Fujita T., Minakata H., Cumi T., Ukena K., Matsushima O., Ikeda T., Fujita T., Minakata H., Mondoo M., Matsushima O., Ikeda T., Fujita T., Minakata H., Mondoo M., Setilos S., Solated from the gut and the winder ody of the earthworms.", Blocker Brophys. Pess Commun. 2.6:1072-107811995). SEQUENTE T. B. AA., Tell MW, GRIAD1148585F266 CRC64;
"Purification and characterization of a benzylviologen-linked, tungsten containing aldebyde oxidereductase from Desulfovibrio gigas."; J. Bacteriol, 177:6195-6206(1995). SEQUENCE 20 AA, 2128 MW; 1A9608A18819C2BC CRC64;
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G1 N.V. 1996 (TYEXBUREL. G2, DASK British apdate.

G1 N.V. 1996 (TYEXBUREL. G2, DASK BRITISH ADDATE. G3.)

G1 N.V. 1996 (TYEXBUREL. G3.)

G1 N.V. 1996 (TYEXBUREL. G3.)

G2 N.V. 1996 (TYEXBUREL. G3.)

G2 N.V. 1996 (TYEXBUREL. G3.)

G3 N.V. 1996 (TYEXBUREL. G3.)

G4 N.V. 1997 (TYEXBUREL. G3.)

G4 N.V. 1997 (TYEXBUREL. G3.)

G5 N.V. 1997 (TYEXBUREL. G3.)
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Best Local Similarity 77.8%; Pred Do 1.101 at
Matches 7, Conservative 6, 17.75
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MEDITAE-0034.036; FubMed: 7592385;
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Post Local Similarity 55 + 1
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0.-MAY-2000 (TrEMBLrel. 13, Last sequence update)
0.-UNY-2000 (TrEMBLrel. 14, Last annotation update)
20 KJa phosphorylation-dependent protein phosphatase-1 inhibitory
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Mammalia: Entheria: Pinmates, Cuturthini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                            Sus scrofa (Pig).

Eukaryota, Metazoa, Chordata, Cramiata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Cetartiodactyla, Suina, Suidae, Sus,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE.

MEDLINE=86362144; PubMed=8723121;

MEDLINE=86362144; PubMed=8723121;

Eto M., Ohrori T., Suzuki M., Furiya K., Morita F.,

"A nevel protein phosphatase-1 inhibitory protein potentiated by protein kinase C. Isplation from porcine aorta media and characterization.";
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62.5%; Pred. No. 2.8e+03;
Live 0; Mismatches 3; Indels
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NON TER 20 20
SEQUENCE 20 AA, 176: MW; B4F1891E56FBA675 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        J. Blochem. 118:1154 1107 (1995).
SEQUENCE 19 AA; 1850 MW; 5094CFEEF225A922 CRC64;
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Best Local Shmilarity 83.33.
Feet 5, Conservative
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Best Local Similarity 62.5
Matches 5: Conservative
                      Best Local Similarity 80.0
Matches 4; Conservative
                                                                                                                                                                                                                                            PRELIMINARY;
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Homo sariens (Human)
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                                                                                                                                                                                                                                                                                                                                                          Cryza sativa (Rice).
Rekaryota; Virdiplantae, Streptophyta, Embryothyra; Trachcophyta;
Spermanophyta; Yagnoliophyta; Liliopsida; Pualus; Poaneae;
Ehrhatoideae; Oryzeae; Cryza.
NCBI TaxID-4530;
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Eukasyota Metazda, Chordala, Crabiati, Vuttybriti, rutoliosiidi.
Mammalia: Eufheria: Perissodactyla: Equidue, Equis.
NCBI Taxibus76;
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83.1%; Pred: No. 2.28+53;
cive 0; Mishatoses 1: inodis
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InterPro, PROCIDS, Transferrin. Plant PP60405; transferrin; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Submitted (MAR-1994) to the EMBL/GenBank/DFBJ databases.
EMBL, X63830; CA44324.1; .
Gramme, C45656; ...
NON TER
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91 NOV-1996 (TrEMSLrel, D1, Last sequence update,
01-OCT-2002 (TrEMSLrel, 22, Last annotation update)
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53-MAY 1999 (TreMsGrel, 10, Last sequence a nice
53-MAY 2001 (TreMsGrel, 17, Last annotation update
tackferrin (Fragment).
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Bust Loral Similarity 84.37
Nes 5, Conservative
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Wu R.J.;
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SEQUENCE.
MEDLINE=91091816, PubMed=1726837;
Roghan, M., Segovia B., Whitechurch C., Binoux M.;
Roghan, M., Segovia B., Whitechurch C., Binoux M.;
Rothication from human (crebrospinal fluid of insulin-like growth factor binding proteins (GPBPs). Isolation of IGFBP-2, an altered form of IGFBP-3 and a new IGFBP species.";
Growth Reg.l. 1915, 1801991;
SEQUENCE 18 AA: 1689 WW; 10F5516240C6298B CRC64;
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01.MAY-2000 (TrEMHLel. 13, Last sequence update)
01.CIN-2000 (TrEMBLel. 14, Last sequence update)
01.CIN-2000 (TrEMBLel. 14, Last annotation update)
01.CIN-2000 (TrEMBLel. 14, Last annotation update)
03.CIN-2000 (TremBlel. 13, Candida.)
03.CIN-2000 (TremBlel. 13, Candida.)
03.CIN-2000 (TremBlel. 13, Candida.)
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Aniczak J.B., Chmelo R., Pickup D.J., Joklik W.K.;
"Sequencus at both termini of the 10 genes of recyrrus serotype
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"Evidence for degradation of gastrointestinal mucin by Candida albicans secretory asparty; proteinase.";
infect. Immun. 64:45:4-45:9(1996).
SECUENCE 20 AA; 1583 MW; F4389472CA6EBAA05 CRC64;
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Virusos, dsRNA viruses, Recvitidae, Orthorecvirus.
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J. Gen. Virol. 55:393 403(1981).
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MEDLINE-97045135; PubMed=8690200;
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MEDLINE=#2032340, PubMed=6270271;
McCrae M.A.;
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Best Local Similarity 38.9f
Matches 7, Conservative
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Best Local Similarity (3.55)
Fine 5, Conservative
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METLINE=92378826, PucMed 1510842.

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Parry R.V., Barker P.G., Jones R.,

"Characterization of low Mr zona pellocida hindira recents from total spermitozo and seminal plasma."

Mol. Reprod Dev. 33:108-115(1992)

HSSE, P35495, ISPP.

SROCENCE. IS AA, 1656 MW, 24A285H978E4E74 (Nova. 15)
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OLOMAY 2000 (TrEMBurel, 14, Last sequence update)

Linsular lake drown factor binding protein 19 40x 10 proteins (Humo sapiens (Human))

Edwarpora, Morazoa, Chordata, Chantata, Wertendata, Achterser Trammana, Bonkora, Primates, Calattinia, Bonkora, Bonkora, Contra Taxio-9606;
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Kammalia, Eutheria, Cetartiodactyla, Curna, Sondro, Sos.
KOBI Taxiby9923;
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SEQUENCE 17 AA. 1910 MW, 6EEBA-94(1904).
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The present invention relates to intkage methodology for use in the conjugation of compounds (e.g. peptides) to carrier vehicles

conjugation of compounds (e.g. peptides) to carrier vehicles

the accordiscules, polymers, dendrimers, proteins) to produce

biological and imminological constructs. The invention provides a

method for intking an epitope (e.g. a peptide) to a carrier (e.g. a

protein) for use in a pharmacetical composition or a vaccine. The

invention describes peptides derived from or immitoglobulin E

(igE: which are used to produce conjugated compounds. The compounds or

compositions of the invention are useful in the manufacture of a

medicardout for the irrathment of igE mediated diseases. The invention

allows for continited conjugation of a peptide epitope (antigen) to a

protein so as to form an imminogenic conjugate which may be able to

raise a protective an immody response in an animal or human patient.

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                                                                                                                                                                                                                                               Peptides useful for treating, preventing an architection allocated discusses, computating an isolated surface exposed project a apecific domain from immunoglobulin E .
                                                                                                                         Greenwood J, Howitt E, Lamont A, Mason S, NG, Van Medhelen MS, Vinits [e-bissols Y')
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human, linkago technology: conjudatid umijendė, jaries venaces, epitopes Gepsilend; Gepsilend; Gepsilend; imman jitinos ka
epitopes Gepsilend; Gepsilend; Gepsilend; imman jitinos ka
198 mediated disease; antibody resp. ns-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SMIK) SMITHKLING BEECHAM BIOLOGICALS. (PEPT) PEPTICE THERAPEUTICS LTD.
                                                                                                                                                                                                                                                                                                                                                      Claim 14, Page 42; 129pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 CLEDILVNDVDLCGSSSGGP 20
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22 FEB 0090, 0008B-0004096
00 A08 0000, 000008-0020709.
99GB-0027698
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                                                                                                                         Dyson M, Friede M,
Randall R, Tornell
                                                                                                                                                                                                     WPI, DOUGHOUSE STANK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20 AA;
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Synthograe
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The present invention relates to conjugates suitable for use in vaccine, where the conjugate comprises a disalphide bridge cyclised peptide and immunogenic carrier. The vaccines can be used in the treatment of allergies. The present sequence is a cyclic peptide immunogen derived from human immunoglobulin E (19E) suitable for use in the invention.
                                                                                                                                                                            Immunogon; human; 198; ummunoglobulin By allengy, thio-ether linkage;
vaccino; antiallervic; cyclic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Epitope: rimotope; human; imrunoglobulin E; IgE: C-epsilon-2 domain;
allergic disease; immunoprophylaxis; immunotherapy; antiallergic;
immunosuppressive; vaccine; histamine release inhibitor; immunogen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conjugate for use in vaccine for treatment of allergy, comprises disulfide bridge cyclized peptide and immunogenic carrier.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 79; DB 23; Length 16;
Pred. No. 0.0049;
0; Mismatches 0; Indels
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                                                                                                                                              Human IgE cyclic inmunogenic peptide SEQ ID NO: 326
                                                                                                                                                                                                                                                                                                                                                                                                                     (SMIK.) SMITHKLINE BEECHAM HICLOGICALS. (PEPT-) PEPTIDE THERAPEUTICS LTD.
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                                     :6 AA
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                                     ABJ00542 standard; Peptide;
                                                                                                                                                                                                                                                                                                                                                 17-AUG 2001; 2001WC-EP09576
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ses 14; Conservative
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                                                                      ABJ00542;
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RESULT 5
ABJ00542
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                                                                The present invention relates to conjugates suitable for use in vaccines, where the conjugate comprises a dissiplicate bridge cyclined populde and an immunogenic carrier. The vaccines can be used in the transment of altergues. The present sequence is a cyclin great of minimagnobulin E (1g8) stillable for use in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention relates to Conjugates suitable to use in vaccines, where the conjugate comprises a disalphide in the diself printe and an immunogenic carrier. The vaccines can be used in the interpretation at all explose. The present sequence is a optimize the present sequence is a optimize the immunoglobulin E (19E) suitable for use in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               irriniogens human, 195, imrunoglobulin B. allengy, this ethor linkage, vaccine, antiallergic, cyclic.
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100.0%; Pred, No. 4.8e 7;
ive 0; Mashatches 0; B15-7;
                                                                                                                                                                                                              th 100,0%; Senter 112; 2% 23; Fereth P. Similarity 100,0%; Pred, No. 75 07; 20; Conservative 0, Mismatches 0; Inb.s.
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disulfide bridge cyclized peptide and immunogenic dairiar
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                                  Page 11; 45pp; English
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Pest Local Similarity 100.0
"...hes 19, Conservative
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Matches 20, Conserv
                                                                                                                                                                              20 AA;
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                                  Claim 4;
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22 FER 2000, 2000MO-EP01455

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Pertibes useful for treating, preventing and amplies time illering diseases, comprising an isolated surface exposed quark of a specific domain from immunoglobulin E
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                                                                                                                                                                                                                                                                                                                                                                           enwood 5, Hewitt E. Lancott A. Mas n.s. Van Mecheire MP. Vinals Te Russells VC.
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Best Lockel Straightly 100.0%; Fred. X.
Markhes IN: Conservative C; Markhest Co.
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                                                                                                                                                                                                                                                                                                                                                                         Friede M, Greenwood
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                                                             9408-0007151
9408-0010537
9908-0010536
9908-0018693
9908-0018693
9908-001046
9908-001046
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| CLEDSCYMBYDLC 13
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                                    25-FEB 1999,
29 MAR 1999,
07-MAY 1999,
07-MAY 1999,
07-KG0 1999,
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Randall R.
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The present invention relates to innhage methodology for use in the conjugation of compounds (e.g. peptides) to carrier vehicles

(e.g. macromolecules, polymers, dendrimers, proteins) to produce his protein and immunological constructs. The invention provides a method for linking an epitope (e.g. a peptide) to a carrier (e.g. a protein) do use in a pharmaceutical composition or a vaccine. The invention describes peptides derived from or minotopes of the cinvention describes peptides derived from or minotopes of the compositions of the livention are used to produce conjugated compounds. The compounds or compositions of the livention are useful in the manufacture of a medicament for the treatment of 19E medicated diseases. The invention are useful, in the manufacture of a protein so as to form an immunogenic conjugate which may be able to raise a protective entibody response in an animal or human patient. Animble 12-Animble 11 represent peptides derived from or minotopes of the Cepsilon2/Cepsilon3/Cepsilon4 region of human lgE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A linkage comprising an immunogenic conjugate useful treatment of lqE
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(SMIK + SMITHKLINE BEECHAM BIOLOGICALS.
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22-FEH-2500; 2005GB-0554096
22 AUG 2500; 2005GB-052707
22-AUG-2500; 2007GH-0525708
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Best Local Similarity 100."
Matches 13, Conservative
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                                                              WC200145745-A2.
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Synthetic.
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ABJ00312
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The prosent invention describes an immunogen (1) comprising a peptide that and a carrier (1b) derived from protein D of Haemophilus influenzed or its fragment. Also described are: (1) a vaccine comprising (1), and an exciption; (2) protein D or its fragment; and (3) preparation of a vaccine of (1), comprising comprising a peptide or option of (1) with an exciptent, (1) has cytostatic, and alorgic, nootropie, neuroprotective and protozoacide activities.

It and the vaccine are useful for the manufacture of a medicament for preventing and treating infectious disease such as malaria or chronic disease such as cancer. Alzenora's disease such as malaria or chronic disease such as cancer. Alzenorate themselves of antipeptide immune responses while inducing a medicate humoral response against the carrier. The present sequence represents a specifically claimed minotope peptide sequence, which can be used in an immunogen of the
                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Epitope, mimotope, human, immunoglobulin E; igE; C-epsilon-2 domain,
allergic disease, immunoprophylaxis; immunotherapy, antiallergic;
immunosuppressive, vaccine; histarine release inhibitor; immunogen;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Peptices areful to treating, preventing and areliorating allergic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Greenwood J. Hewitt E. Lamont A. Mason S \mathbb{R}_{+} , van Mech-len MP. Vinals De Bassols YC,
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                                                                                                                                                                                                                                                                                                                                                                                 Score 64; DB 21; Length 13; Pred. No. 0.25;
                                                                                                                                                                                                                                                                                                                                                                                                                     5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
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100.0%; Pre
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                 Claim 10; Page 38; 53pp; English
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9908 001069
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Best Local Similarity
has last local Similarity
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PEPTIDE THE
                                                                                                                                                                                                                                                                                                             invention.
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07 WAY 1999)
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O
                                                                                                                                                                                                                                                                     The present invention relates to compugates suitable for use in vaccines, where the compugate comprises a dissiphide hidde cyclises peptide and an armnogenic califier. The vaccines can be used in the treatment of a larger sections of a cyclise petide immunosen derived from human immunoglobulin B (198) suitable for use in the invention.
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prost are cancer, Raemophilus influenzar, vaccine, information assess,
training cytostatic, antiallergies notivepric newspecture,
procedure, Alzheimer's disease, alterny.
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                                                                                                                                                                           Conjugate for use in vaccine for treatment of albeign chair sea disultide bridge cyclized peptide and imminopent carrier.
                                                                                                                                                                                                                                                                                                                                                                                                                    Match 65.2%; Score 73; FB.33; Jenjin 19. nocal Similarity 100.0%; Prod No. 6 071; es. 13; Conservative 0; Michaeches n; Indoles
                                                                                                          Turnell WG, Vina.s Bassols Yl.
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                                                 (SMIR ) SMITHKUINE BEECHAM BICLOGITKUS (PSPIT) PEPTIDE THERAPEUTICS LTC)
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                                                                                                                                                                                                                                      Claim 4) Page 11, 45pp; English.
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99GB-0004408.
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                 22 AUG 2000; 2000GB-0020717
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25 FEB-1999;
25 FEB-1999;
13-AUG 1999;
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                                                                                                          Friede X,
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The problem invention describes a popular in magnification is stated exposed group/epitope [BT of Coppularia | Main of a managed immunoglobuling Eight, or lis mining to Administration in munoglobuling Eight, or lis mining to Administration | Main of a variety and a paramaceutist (weight) | Main of a variety and a paramaceutist (weight) | Main of a paramaceutist (w
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discusses, comprising an isolated surface exposed as equal a specific domain from immunoglobulin E .
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Best Local Similarity 100.0%; Pred. Mo. 75.75
Matches 12; Conservative 0; Niemstobes 7; India
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                                                                Claim 14; Page 9; 129pp; English
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99GB-0021047.
99GB-0021047.
997R-0025619.
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99GB-0007151.
99GB-0010537.
99GB-0010538.
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CPRTS
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The present invention describes a peptide (1) comprising an isolated surface exposed group epitope (E1) of C-epsilon-2 domain (2) of immunosiobulin E (195), or its minispee Also described are (1) an immunosiobulin E (195), or its minispee Also described are (1) an immunosiopulin E (195), or its minispee (1) (2) a vaccine (1) or comprising allocation (2) (2) a vaccine (1) or comprising (1) (3) a ligand (10) capable of recognising BL) 44 a plarascentical composition (2) comprising (10), (2) a peptide (3) ordered of being recognised by producing (11), (1) or an end of an immunogen (11) by producing (11), (1) or an end of an in the manufacture of medicaments for treating as a vaccine and histamine release inhibitor. (1), (11) and (11) are useful in medicine and histamine release inhibitor. (1), (11) and (11) are useful in medicine and also in manufacture of medicaments for treating and ordering allocation (1), (11) and proventing also in diagnosities and in the affinity purification of circulating and preventide sequences which are used in the exemplification of the present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                  Peptides useful for freating, preventing and ameliorating allergic diseases, comprising an isolated surface exposed group of a specific domain from immunoslobulin E
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Greenwood J, Hewitt E, Lamont A, Mason S
VG, Van Mechelen MP, Vinals De Bassols YC;
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SMITHKLINE RELCHAM PINDOSTIMALS
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Bost Local Similarity 100.0%, P
Matches 17, Conservative 6.
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22-FEB-2000; 20008 0004096.
22-A008-2000; 20008-0020707.
22-A00 5000; 20008-0020708.
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[1, 13 ] [1]
2 LEDGOVMENT LC 13,
              Randall R, Turnell WG,
                                                   WPI; 2000-572073/53.
Friede M.
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21-MAR-2001 :first entry:
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Matches 12: Conservative
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Authorized Applicative antibody response in an animal of homes patient.

Authorized Applications and conjugation of a period for manufacture and protective antibody response in an animal of homes patient.
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Matches 12; Conservative 0; Mismatches 0; Indels
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The present invention relates to linkage methodology for use in the conjugation of compounds (e.g. populdes) to carrier vehicles

(e.g. macromolecules, polymers, dendrimers, proteins) to produce to biological compounds. The invention provides a method for linking an epirope (e.g. a peptide) to a carrier (e.g. a protein) for use in a pharmaceutical composition or a vaccine. The protein for use in a pharmaceutical composition or a vaccine. The convention describes populdes derived form or minotopes of the compounds or compositions of the invention are useful in the manufacture of a medicament for the invention are useful in the manufacture of a medicament for the invention are useful in the manufacture of a medicament for the invention of appointed diseases. The invention allows for controlled conjugation of a peptide epitope (antigen) to a protective antibody response in an animal or human patient.

ANJIG622-ANJIG622 regressent peptides derived from or mimotopes of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention relates to a composition comprising allergy peptides are derived user large lates linked by an inert carrier. The allergy peptides are derived from Imminos/Obblin B 1990 or 19E receptor. The present peptide is one such peptide from 12 The composition is useful as a vaccine or for manufacturing an extrement for the prophylaxis or treatment of allergy. In partial are assing an anti-allergy infune response in an informational ouscillar to an allergic response.
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vaccine; antiallergic.
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                                                                                                  Guery Match S7.1%; Score 64; DR 52; bength 13; east Local Similarity 100.0%; Pred. No. 6.2%; Matches 12; Conservative 0; Mishatches 12; Conservative 0; Mishatches
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US-10-372-076-136

J Sequence 136, Application US/10372076

J Sequence 136, Application No. US2030198645A1

GENERAL INFORMATION

APPLICANT: Fage, Mark

APPLICANT: Friede, Mark

TITLE OF INVENTION: CHRONIC HEPATITIS

TITLE OF INVENTION: CHRONIC HEPATITIS
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GenCore version 5.1.6
Copyright (a) 1993 2003 Compuden Lrd.
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Sequence 282. Application US/1082014
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SUBSERVED NO. US2003018589801
TITLE OF INVENTION: INVENTION: INVENTION US.
TITLE OF INVENTION: INVENTION: INVENTION US.
TITLE OF INVENTION: INVENTION: US/10/082,014
CURRENT FILING DATE: 2002-02-2
PRICE APPLICATION NUMBER: 05/53,915
PRICE APPLICATION NUMBER: 05/53,915
PRICE APPLICATION NUMBER: 05/53,915
PRICE APPLICATION UNIBER: 05/53,915
PRICE APPLICATION UNIBER: 05/53,915
SEQ 10 N.3. 200
SEQ 10 N. 3. 200
SEQ 10
                                                                                                                                                                                             Sequence 33, Apply Sequence 19, Apply Sequence 19, Appl Sequence 19, Appl Sequence 29, Appl Sequence 26, Appl Sequence 2, App
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Sequence 16, Appl
Sequence 163, Appl
Sequence 1, Appl
Sequence 1, Appl
Sequence 1, Appl
Sequence 1, Appl
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                                                                                                      Sequence 19, Appl
Sequence 34, Appl
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Pred. No. 1.2;
US-10-319-519-34
US-10-6611-2
US-10-667-761-34
US-10-667-761-34
US-09-804-156-33
US-09-804-156-33
US-09-804-156-33
US-09-804-156-33
US-09-804-156-33
US-09-804-18-34
US-09-905-48-2
US-09-905-48-2
US-09-905-48-2
US-09-905-48-2
US-09-905-48-2
US-09-905-48-2
US-09-905-48-2
US-10-10-10-2
US-09-905-48-2
US-09-905-48-2
US-09-905-48-2
US-09-906-48-16-3
US-09-906-48-16-3
US-09-906-48-1
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Matches 9, Conservative
          2 LEDGOVMBVD 11
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us-09-914-088-15.closed.rapb

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Sequence 55. Application US/2014188

PUBLICATION NO. USECSSOTION 22/241

GENERAL INFORMATION:
APPLICANT Cai, Zeine;
APPLICANT Sai, Weixing
APPLICANT: Peterson, Per A.
APPLICANT: Peterson, Peter Pete
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PRIOR RAPLICATION NUMBER: US 60/212,844

PRIOR PAPLICATION NUMBER: US 60/212,844

PRIOR PAPLICATION NUMBER: US 60/244,171

PRIOR PRIOR APPLICATION NUMBER: US 60/244,171

PRIOR PRIOR APPLICATION NUMBER: US 60/279,766

PRIOR PRIOR APPLICATION NUMBER: US 60/279,766

PRIOR PRIOR APPLICATION NUMBER: PCT/

PRIOR FILING DATE: 2001.04-20

NUMBER OF SEU 20 NUMBER: PCT/

PRIOR FILING DATE: 2001.06-20

NUMBER OF SEU 20 NUMBER: AS 88

SCFTWARE: FartSEC (C: Windows Version 4.0
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40.2%; Score 45; DB 12; Jength 10;
Best Local Similarity 100.0%; Pred. No. 4.4;
Matches 9: Conservative 0; Mismatches 0; Indels
                                                                                                                                                                        Score 47, DB 12; Length 9,
Pred, No. 5.8e+05;
0, Mismatches 0, Indels
                                                                                                                                                                             Query March 42.0%; Score 47; DB Best Local Similarity 100.0%; Pred, No. 5.8 Matches 9; Conservative 7; Mishatches
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US-10-144 188 55
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// Patent No. US20020146407A1
// GENERAL INFORMATION:
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TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                         3 EDGOVMOVD :1
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            ; TYPE: PRT
; CRGANISM: Homo sapiens
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                                                                     JS-10-372-076 127
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US-10-144-188-55
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US-09-885-441 6
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Segurica 193, Application US/10082014

GENDIAGE INFORMATION:
APPLICANT BREAKET, Ashley 3.

TITLE OF INVENTION: IMMUNGENIC HBC HIMEP HAPTICLES FIREITHE WITH AN N-TERMINAL CYPRENT APPLICANT BREAKEN TO 10.0 4564/85124

CURRENT APPLICATION NUMBER: 05/6930, 9.0

PRICE APPLICATION NUMBER: 05/6930, 9.0

PRICE APPLICATION NUMBER: 05/6930, 9.0

PRICE APPLICATION NUMBER: 05/0930, 9.0

NUMBER: 05 0501.00 - 15

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APPLICANT: Priede, Martin
APPLICANT: Priede, Martin
APPLICANT: Priede, Martin
APPLICANT: Priede, Martin
TITLE OF INVENTION: CHRONIC HEPATITIS
FILE REPERENCE: 4544/87179
CURRENT APPLICATION WHRER: US/10/77, 374
CURRENT PLING DATE: 2003 2 21
PRICE APPLICATION WHRER: 10/080,270
PRICE APPLICATION WHRER: 10/080,270
PRICE APPLICATION NUMBER: 10/080,034
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FILE REFERENCE: 4564/81179
CURRENT APPLICATION NUMBER: US/10/170,006
CURRENT FILING DATE: 2003-02-21
RICK APPLICATION NUMBER: 10/090,299
RICK RILING DATE: 2002-02-21
PRICK PILING DATE: 2002-02-22
NUMBER FILING DATE: 2002-02-22
NUMBER FILING DATE: 2003-03-22
NUMBER FILING NOTE: 2003-03-22
NUMBER OF SEQ 15 NOS: 968
SOFTWARE: Patentin version 3.2
SEQ 15 NO 136
FIRENCHE 10
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Sequence: 127, Application US/103/2006
Publication No. US20030198645A1
GENERAL IMPORMATION:
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90.0%;
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Best Local Similarity 90.0
Matches 9, Conservative
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US 10-372:076:136
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US-10-682 914-279
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NAME/NEY: VARIANT
1.00ATION: (1)...(14)
2.01BER INFORMATION: Xaa at position six is Glu or Gln
4. OTHER INFORMATION: Xaa at position thirteen is Phe, Met, Leu, His of Val
US-03-909 122-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 4, Application US/10056692
| Sequence 4, Application US/10056692
| SENERAL INFORMATION: USDCDOUS2265A1
| GENERAL INFORMATION: APPLICANT: Carney, Dairell H. APPLICANT: Stockholy, Roger S. APPLICANT: Stockholy, William G. Intle OF INVENTION: PEPTING DERIVATIVES. | TILLE OF INVENTION: PEPTING DERIVATIVES. | TILLE OF INVENTION: PEPTING DERIVATIVES. | TILLE OF INVENTION: PEPTING DATE: JOB 2016 | Section of CURRENT APPLICATION NUMBER: US/10/650,692 | CURRENT FILLING DATE: 2000-01-6 | PRIOR FILLING DATE: 2000-07-19 | NUMBER CF SECTION NUMBER: 60/219,300 | PRIOR FILLING DATE: 2000-07-19 | NUMBER CF SECTION NUMBER: 60/219,300 | PRIOR FILLING DATE: 2000-07-19 | SECTION CF SECTION NUMBER: 60/219,300 | PRIOR FILLING DATE: 2000-07-19 | SECTION CF SECTION NUMBER: 60/219,300 | PRIOR FILLING DATE: 2000-07-19 | SECTION NUMBER: 60/219,300 | PRIOR FILLING DATE: 2000-07-19 | SECTION NUMBER: 60/219,300 | PRIOR FILLING DATE: 2000-07-19 | SECTION NUMBER: 60/219,300 | PRIOR FILLING DATE: 2000-07-19 | SECTION NUMBER: 60/219,300 | PRIOR FILLING DATE: 2000-07-19 | SECTION NUMBER: 60/219,300 | PRIOR FILLING DATE: 2000-07-19 | SECTION NUMBER: 60/219,300 | SECTION NUMBER: 60/219,300 | PRIOR FILLING DATE: 2000-07-19 | SECTION NUMBER: 60/219,300 
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20.0%; Pred. No. 16;
tive 0: Mismatches 3; Indels
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LOCATION: (19...) NS

COTHER INFORMATION: Xau = Phe, Met, Leu, His or Val
US-10 050 692-4
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                                                                                                                                                                          OTHER INFORMATION: Peptide fragment of Thrombin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
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US-10-556-(8M 4)
US-10-556-(8M 4)
I SUBJUCATION NO. US22017-198154A1
I DUBLICATION NO. US22017-198154A1
I APPLICANI (2006), HARLI M.
I APPLICANI (2006), HARLI M.
I APPLICANI (1006) HARLI M.
I APPLICANI
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OTHER INFORMATION: Xan - Gin of GIR
     TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
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Best Local Similatity 70.00
These 7, Conservative
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Bost Lonal Similarity (5.0)
7, Conservative
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NAME/NEY: VARIANT
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TITLE CF INVENTION: METHODS OF THERARY WITH THEOMELY FELVER
TITLE CF INVENTION: FEFTIOES
FILE CF INVENTION: FEFTIOES
FILE CF INVENTION: FEFTIOES
FILE REFERENCE: 30.3.1600-60.1
CURRENT APPLICATION NUMBER: US 60/217,44;
FRIOR AFFLICATION NUMBER: US 60/217,44;
FRIOR FILING DATE: 2002-07-12
NUMBER: OF SEC ID NOS: 4
SOFTWARE: FARESEQ IO: Windows Version: 4.7
SEC ID NO 4
LENTH: 12
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Autobes 9: Conservative 0: Mismatches 1. 10.5.6
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LOCATION: 2, 4, 11
COTHER INFORMATION: Xaa, position v - And O. Ser OTHER INFORMATION: Xaa, position 4, 5lu of 4lb of 51 of 4lb of 51 of 4lb of 51 of 4lb of 51 of 
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Best Local Similarity 72.7%, Pred. No. 6
Matches 8, Conservative 0, Mismittel
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SOFTWARE: PastSEQ for Windows Version 4.
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Patent No. US20020061852A1
                                                                                                                                                                    CTHER INFORMATION: BLOCKS domain US-09-895-441-6
TYPE: PRT ORGANISM: Artificial Sequence
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CRGANISM: Arrificial Sequence
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SEQUENCE D. Applicant not SECRETARY
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Best Local Similarity 70.0%; Pred. No. 18;
Matches 7; Conservative 8; Mismatches 3; Indels
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37.5%; Score 42; DB 12; Nength 15;
Best Local Similatity 70.0%; Pred; No. 18;
Matches 7; Conservative 0; Mismatches 3; Indels
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Best Loral Schlabing 10 1%, Pred. Mo. 19, Length 12,
Matches 7, Thirthington, Manatches 3, Indels
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                SCFTWARE: FastSEQ for Windows Version 3.0 is SEQ ID NO 1032 in LENSTH: 15 in TYPE: PRT in CRGANISM: Homo sapiens US:10-144-F78A-1032
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US 10 294 025 1032
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APPLICANT: Rergmann, John
TITLE 09 INVENTION: STEMULATION OF CAPTILAGE GROWIS WITH
TITLE 09 INVENTION: STEMULATION OF CAPTILAGE GROWIS WITH
TITLE 09 INVENTION: ACCOUNT
TITLE 09 INVENTION: RECEPTOR
FILE REFERENCE: J03*, 1003*024
TITLE 09 INVENTION: ACCOUNT
FILE REFERENCE: J03*, 1003*024
TITLE 09 INVENTION: ACCOUNT
FILE OF FILE REFERENCE: J03*, 1003*024
TOWNER APPLICATION NUMBER: 09/969; 448
PRIOR FILE DATE: 2000.01*07
PRIOR FILE DATE: 2000.01*07
PRIOR FILE DATE: 2000.07*29
TOWNER OF SEQ ID NOS: 6
SOPTWARE: FARTERED TOWNS: 6
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Houghion, Parviond L.
Vinals y de Bassols, Curlotte
Foy, Teresa M.
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US 10 144 CRAP 1987
7 Required 1732, Application US/701446 PA
7 Publication No. US2803015708941
7 PUBLERAL IMPORMATION 1 CHURCH
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LOCATION: (6") ...(6.
DOTHER INFORMATION: Xad + Glu on Gun
PRATURE:
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APPLICANT: [1100], Davin C
APPLICANT: Mitham, Jennier D.
APPLICANT: Hallocker, Susan D.
APPLICANT: Herbers of, Rubert A
APPLICANT: Herbers of, Rubert A
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Setter, Marc W.
Stolk, John A.
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FROM PROBLEM 24 Application US/09804156

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Bost Local Similarity 70.0%, Pred. No. 10,
Matches 7, Conservative 0, Miscatther 3, 30.0038
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Best Local Similarity 76.0%: Pred. No. 19;
Matches 7: Conservative 0; Mismatches 3; Highls
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/ ORGANISM: Homo sapiens
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GenCore version 5.11.6
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05-09-510-738A-163 05-09-518-046-58 US-08-631-79-38 US-08-53-179-39 US-08-59-257A-47 US-08-411-92-47 US-08-179-173-34 US-08-709-173-34 US-08-709-173-34 US-08-709-173-44 US-08-709-173-44 US-08-179-574-5 US-08-179-574-5 US-08-179-574-5 US-08-179-574-5 US-08-179-574-5 US-08-179-173-44 US-08-179-173-44 US-08-179-173-44 US-08-179-173-44 US-08-179-173-44	ALIGNMENTS  PERSONAL PUT des and proteins 9/367,9538  B98/00563 01502.0  Of Artificial Sequen  Of Artificial Sequence  Of Artifi
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COMPUTER READANIE FORM:
MEDIUM TYPE: Diskette
CWRUTER: 18M Comparitible
SOFTWARE: EsciSFQ for Windows Version 2.0
CWRUTERING DATE: 30.000-1992
CWRUTER: 180.000-1992
CWRUTER: 180.000-1993
FILING DATE: 30.000-1993
FILING DATE: 10.000-1993
APPLICATI'N NUMBER: 60/064,996
FILING DATE: 10.000-1993
APPLICATI'N NUMBER: 60/064,996
FILING DATE: 10.000-1993
APPLICATI'N NUMBER: 60/094,497
FULING DATE: 12.FEB-1999
APPLICATI'N NUMBER: 907
APPLICATION NUMBER: 907
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Roy-Chowdhury, Cayanta
TITUE OF INVENTION: Hepatocellular Chimeraplasty
NAMBER OF SEQUENCES: 62
CORRESPONDENCE ADDRESS:
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PEGISTRATION NUMBER: 29258
REFERENCE DCCKET NUMBER: 7991-015-999
TELECOMMINICATION INFORMATION:
TELEBERONS: 215-504-4444
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US-09-108-006C-34
I Sequence 34, Application US/09108006C
I Patent No. 6524613
I GENEBAL INFORMATION.
I APPLICANT: Steri Clifford J.
Kren, Betsy T.
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STREET: 400 Pheasant Run
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TELEPAX: 115-504-4545
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Best Local Similarity 70.0
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SEQUENCE CHARACTERISTICS:
LENGTH: 15 amin : TVE
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STRANCEDNESS: single
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MOLECTUE TYPE: p-ptind
HYPOTHETIOAL: NO
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US 29-254-8-28-26
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Hist Local Similarity 70.0%; Pref No. 1...

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TILLE OF INVENTION: THROMBIN DERIVED FALTPECTAGES OF MEDICAL SEQUENCES IN CHARBE OF SEQUENCES: 3 (TREET APPLICATION DATA: APPLICATION NUMBER: US/00/025, 1
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FRANTING LYSTEM: POLTOS/MS. E.
SCETWARE: Patenin Release H. V. VISC. H.
CURRENT APPLICATION DATA.
APPLICATION DATA.
APPLICATION: S14
ATTORNEY/AGENT INFORMATION:
NAME CLIFF, JAMES A.
REGISCHAFTION NUMBER: 20,075
REGISCHAFTION NUMBER: 20,075
REFERENCE/CONTINEDRATION:
THERE WINNIGHTON: THOROMATION:
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SENERAL INFORMATION EACH DATE APPLICANT BAP SHAVIT, BACHEL TITLE F. INVENTION ANT NETACLIFIE F. INVENTION PHARMATERING CHERES 4
CHRESTORESISTED CLIFF & REREIDJE, STREET P.C. BOX 19928
            SCFTWARE Patentin Ver. 2.1
SEQ 10 NO 26
SEGTIN 18
TYPE: PFT
(RGANISM: Attificial Sequence
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APPLICANT Barrett, Rohald W.
APPLICANT Braishow, Brace
APPLICANT Schalz, Percer
APPLICANT Schal, Derek
APPLICANT Chem, Min Jia
TITLE OF INVENTION: Peptides and Compounds That Bind to the IL-5
TITLE OF INVENTION: Peceptor
APPLICANT: Sloan, Derek
APPLICANT: Chen, Min.Jia
TITLE OF INVENTION: Peptides and Compounds That Bind to the IL-5
TITLE OF INVENTION: Receptor
NUMBER OF SEQUENES: 59
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ċ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1; Length 20;
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ZUNTALL DEA

ZUNTALL DEA

MEDITUM TYPE: FICEPY disk

COMPITER: IEM PC compatible

COPENATING SYSTEM: PC-DOS/MS DCS

COPENATING SYSTEM: PC-DOS/MS DCS

SOUTHARE: Patentin Release #1.0, Version #1.25

CURSENT APPLICATION NUMBER: US/06/485,302

FILNG DATE: 07-10/1 395

CLASSIECATION: 830

ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Flippy disk
COMPUTER, 12M PC GORDALIBLE
OPERATING SYSTEM: BY POSSMS DOS
SYSTEMBE: PatrallE Release #110, Version #1.25
COMPUTER PRINCALLE NAME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 44.4%; Prod. No. 39;
Matches 8; Conservative 3; Mismatches
                                                                                                                        ADDRESSEE: Affymax Technologies, N.V. STPEET: 4001 Viranja Ave.
CITY: Palo Aito
STWIE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Affymax Technologies, N.V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      . F. S. Se
F. P. Application DS/0847mles
S. S. POV280
                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Stevens, Lauren L. REDISTRATION NUMBER: 36,691 REFERRACE/DOCKET NUMBER: 130 TELEPCOMMINION TELEPCOMMINION 415.496 2300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 LEDGOVMOVILICGGSSGG 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESTONDENCE ADDRESS:
ADDRESSEE: ALLYMAX TechnoloSTREET: 4001 Miranda Ave.
CITY: Falo Alto
STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: 415-424-0832
INFORMATION FOR SEC 1D NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
STRANDEDNESS: single
TOFCLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          / MCLEGULE TYPE: peptide
US-08-495 302 53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Fluggy
                                                                                                                                                                                                             COUNTRY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
Patent N
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                                      Score 40; DB 4; Length 15; Pred, No. 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 44.4%; Pred. No. 193
Matches 8; Conservative 3; Mismitches 7; Hibele
                                                                                    9, indels
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                                                                                                                                                                                                                                                              Sequence 53, Application US/0847841,
Parent No. 5654276
GENERAL INFORMATION,
APPLICANT: Barrett, Renald W.
APPLICANT: England, Bruce
APPLICANT: Schatz, Perex
APPLICANT: Chen, Min.Cla
TITLE OF INVENTION: Peptides and
TITLE OF INVENTION: Peptides and
TITLE OF INVENTION: Receptor
NUMBER OF SEQUENCES: 59
CORRECTORENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US/08/479, 13.
07 JUN 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         B: Affymax Technologies,
4001 Miranda Ave.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE. Fluppy disk
LOWENTER: 18M PC compatible
LOWENTER: PC-CCS/MS-10.7
SOFTWARE: POLENTE RELEASE #11.
CHRECKT APPLICATION DATA:
APPLICATION NUMBER: US/08/478.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 5:, Application US/08465 kg., Patent Nr. 56681.0
GENERAL INFORMATION:
APPLICANT: Beariet, Rohald W. APPLICANT: England, Bruce APPLICANT: Schatz, Peter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 LEDGQVMDVDLCGGSSGG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 LESGCVVHGEQVGGEASG 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                36,691
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REPPENCE COCKET NUMBER: 10
THIBCONMUNICATION INFORMATION:
PELEPHONE: 415-496-2300
                                    35.7%;
70.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION 514
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Stevens, Lauren L. Stratten L. Stratten Kommannen 156,
                                    Query Match
Best Local Similarity 70.0
Matches 7, Conservative
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INFORMATION FOR SEQ ID NO.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM: MEDIUM TYPE: Ploppy (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: Innear
MOLECULE TYPE: peptide
                                                                                                                                                         DSCEGDSGGP 11
                                                                                                                        11 DLCGGSSGGP 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE, amino and
STRANDEDMESS: sir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 4001 Mir
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            94304
US-09-108-008C-34
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US 08 479-312-54
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Best Local Similarity 44.4%; Pred. No. 39;
Matches 8; Conservative 3; Mismatches
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US-08 548 540 91
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(5)
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Post Local Similarity 44.4%, Pred. No. 30, Marches B. Conservative 3, Misharches
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APPLICANT England, Bruce
APPLICANT Schart, Perce
APPLICANT Schart, Perce
APPLICANT Chen, Min Cli
TILLE OF INVENTION PEPTIONS
NUMBER OF SECUENCES, 65
NUMBER OF SECUENCES, 65
APPRESSER AFFORMATION APPLICATIONS
APPRET 4001 Milianda Ave.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CONTINUE FOR FY CONTINUES 
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                        CLASSIPICATION: 514
ATTORNEY/ASENT INFORMATION:
NAME, Stevens, Lauren L.
RROISTWATION NUMBER: 46,691
REFERENCE/BOCKET NIMBER: 1688
TELECLAMINICATION INFORMATION:
TELEBRONE: 415,496-1200
                                                                                                                                                                                                                            LEGERACIONE 415-496-2300
TELLERAX: 415-496-2300
INFORMATION FOR SEQ ID NO: 59:
SEQUENCE CRAPACTERISTICS.
LENGTH: 20 aminos
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REDISTRATION NUMBER: 10
TRIBCT WINNICATION: INFORMATION:
TELETHONE: 415-496-2100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFERRATION FOR SEQ. IC NO. SECOLEM. TO CHARACTERISTICS:

LENGTH: 20 amount
TVO.
02+JUN-1995
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ATTURNEY/AGENT INFORMATION:
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STRANCEDNESS, single
TOPOLARY, linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE amino acid
STRANCEONESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   // TOPOLOGY: linear
// MCLRCUE TYPE: poptide
US-08-476-169-59
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FIMIE: California
FOUNTRY: USA
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18 08-464 683 09
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44.8%; Scholmert, 18 T.

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                                                                                                                                                                                                                                                  APPLICANT: Schaiz, Euter C.
APPLICANT: Cull, Miland G.
APPLICANT: Miland G.
APPLICANT: Miland G.
APPLICANT: Miland F.C.
APPLICANT: Gaces, Chistian M.
TILLE G. INVENTION: Poptide Library and Screening Method CORRESPONDENCE ADDRESS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 39; DB 1; Length 20;
Pred. No. 39;
7; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: William M. Smith
STREET: One Market Plaza, Steuart Tower, Suite 2000
STREET: Can Fernisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRALING STREAM
SOFTWARE PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA
APPLICATION NUMBER: US/08/548.540
FILING DATE: 12-001 1935
CLASSIFICATION 435
FRICR APPLICATION DATA:
APPLICATION NUMBER: US 08/290.F41
FILING DATE: 15-AUG-1994
PRICR APPLICATION DATA:
APPLICATION NUMBER: US 08/290.F41
FILING DATE: 15-AUG-1994
APPLICATION NUMBER: US 07/983,321
FILING DATE: 15-AUG-1994
FRIENCHEVAGENT INFORMATION:
NAME: STIPM, WIlliam M.
PROBERTAL NUMBER: 16-28.
FRIENCHMONICATION NUMBER: 16-28.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3; M:smatches
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PCT-US96-19409-91
Sequence 11, Application PC/TUS4609457
GENERAL DREWATERN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: 18Y PC computible
CPERATING SYSTEM: PC-DOS/MS-DCS
                                                                                                                                                                                      Sequence 90, Application US/08548540 Pacent No. 5733731 GENERAL INFORMATION:
                                                                         1 LESGOVVHORUVUGEASO 19
                                        2 LEDGQVMCVDLCGGSSGG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FIRDGOVADVLLIGGSSGG 19
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hes 8, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            / MOLECULE TYPE: protein
US-08-548-540-91
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3%. linear
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APPLICANT:
APPLICANT:
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RESULT 13

US-08-470-128A 19

Sequence 19. Application US/08472228A

Fatent No. 5807978

GENERAL INFORMATION:
APPLICANT: ROKOLUS, WILLIAM J.
APPLICANT: RITISCHE Herbert A.
TITLE OF INVENTION: IMMINGENIC PEPTIDES OF PROSTATE
TITLE OF INVENTION: IMMINGENIC PEPTIDES OF PROSTATE
TITLE OF INVENTION: SPECIFIC ANTIGEN
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Annoid, White & Durkee
STREET: Pouston
CITY: Houston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             33.9%; Score 38; DB 1; Length 20; 75.0%; Pred, No. 53;
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                                                                Length 9;
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WEDLING YTZES
COMPUTER: Finppy disk
COMPUTER: IBM Pricompatible
DERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/472,228A
FILING DATE: D-07-20N 1995
CLASSFILE TOATION 424
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: UTSC:388
TELEPHONE: Seven 3, 642
REFERENCE/DOCKET NUMBER: UTSC:388
TELEPHONE: (512) 474 757
TELEPHONE: (512) 474 757
TELEPHONE: SEQ IC NO: 13:
TELEFX: 79-0924
INFORMATION SEQ IC NO: 13:
SEQUENTE URBANCESTICS:
CHARACTERISTRICS:
CHARACTERISTRICTRICS:
CHARACTERISTRICS:
CHAR
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Patent No. 6326471
GENERAL INFORMATION.
APPLICANT: ROXOLNS, WIlliam C.
APPLICANT: Fritsche, Herbert A.
APPLICANT: Fritsche, Herbert A.
APPLICANT: Confiss on Periods A.
APPLICANT: Confiss on Periods A.
APPLICANT: CONTROL A.
APPLICANT: CONTROL A.
APPLICANT: WATCHER A.
APPLICANT: WATCHER A.
APPLICANT: WATCHER A.
APPLICANT: A. APPLICANT: CANTIGEN
                                                            Score 38; DB 3;
Pred. No. 2.5e+05;
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                                                                                                                                                  C; Mismatches
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CITY: Houston
STATE: Texas
CCJNIRY: United States of America
ZIP: 77210
                                                                33.9%;
75.0%;
                 Query March
Best Local Similarity 75.00.
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MOLECULE TYPE: peptide
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TOPCLOGY: In
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US-09-146-831-19
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APPLICANT: Stermer, Willem P.C.
APPLICANT: Gates, Christian M.
TITLE OF INVENTION: Peptide Library and Screening Method NUMBER OF SEQUENCES: 162
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Fest Local Scribarity 44.4%; Pred Mo. 35, Local Co.
Marches 8; Conservative 3; Missorithe Conservative
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                                                                                                                                                                                                                               S: William M. Smith
One Market Plaza, Stennit Tower, Suite
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Release #1.0, Version #1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/09#09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAVE: Smith, William M.
PEGISTRATION NUMBER: 30,223
PEGERENCE PROPRET NUMBER: 16524; 00124-013
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:

(CLASSIPICATION:
PRIOR PRIJICATION:
PRIOR PRIJICATION NIMBER: US 08/544,54;
FILING DATE: 26-607-1945
ANTHIOCATION NUMBER: US 08/200,641
FILING LATE: 15-A0G-1944
PRIOR APPLICATION DATE: 15-A0G-194
APPLICATION NUMBER: US 07/963,401
FILING DATE: 15-007 1992
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compactible
OPERATING SYSTEM: PC-DOS/MS-DOS
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              : 20 amino acids
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POT-0858 09803-91
                                                                                                                                                                                                                                                                                                             CTTY: San Francisco
STATE: California
COUNTRY: USA
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ORGANISM: Homo sapiens
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                                                                                                                                                                                                                               ADDRESSEE:
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Gaps

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Best Local Strularity 75:0%; Pred Mo. 55.
Matches 6; Conservative 6; Mowarches 2, 175-18
                                                                                                                                               COMPUTER REALABLE FORM:
METIOM TYPE: Florpy disk
COMPUTER: IBM PC Computable
OPERATING SYSTEM: PC LOSYMS:(F)
SOFTWARE: Patentin Release #1 - 1 Version #1 - 1
CURRENT APPLICATION DATA
APPLICATION NUMBER: US/C9/14- 4-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CTASSIFICATION DATA:
PRICE APPLICATION DATA:
PROBLICATION NUMBER:
FILING DATE: 07-10% 195
ATTORNEY/AGENT INFORMATION:
NAME: High-lander, Steven L
REGISTRATION NUMBER: 37,642
REFERENCE/DOCKET NUMBER: 37,642
REFERENCE (5.12) 416-300
TELEKK: 79-0924
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTER/STICS:
LENGTH: 20 amino acids
CTPE: ATTOR ACID
NUMBER OF SEQUENCES: 22
CSERESPONDENCE ADDRESS:
ADDRESSES: ATROID, White & Durann
ADDRESSES: ATROID
STREET: P.O. Box 4443
CITY: Houston
STATE: Texas
COUNTRY: United Status of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PHICE APPLICATION DATA:

PHICE APPLICATION NUMBER:

AFPLICATION NUMBER:

FILING DATE: 07-JUN-1995

INFERMATION FOR SEC ID NO: 19:

SEQUENCE CHARATTERISTICS:

LEMOTT : 20 amino acids

TYPE: 1 amino acid

STRANDEDNESS:
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MATECULE TYPE: peptide
TS 09 146-831 19
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Duery Match

Sigh, Score 36, DB 5, Length 20,

Best Local Samilarity 75.5, Pred. No. 53,

Matches 6; Corseivative 0; Mismatches 2; Indels 0; Gaps 0,

Qy 13 CGSSGGR 20

A CSGDSGR 11

Search completed; Movember 6, 2403, 18:22:24

Job time: 22 secs
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CM protein - protein search, using swinded

2003, 18:04.52 S Nove-ber Pun on:

) Realth Time 25 Search Without distributes a 94.169 Million exil guartes/sec

US 09 914-088 16 116 1 CLEDGÇVMDVDCPREAAEGEK Title: Perfect score: Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

283308 segs, 96168682 residues Searched;

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 21

Fost-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summatter

PIR 76:* Database

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## ALIGNMENTS

Sabour to 3.4.22.17: large chain 2 - pig (fragment)
Cabbain to 3.4.22.17: large chain 2 - pig (fragment)
NyAlternate names: —calpain beavy chain
NyAlternate names: —calpain beavy chain
NyAlternate names: —calpain beavy chain
Cabcession: \$2.202
Cabcession: \$2.2

Gabs ·. 25.0%; Score 29; DB 2; Length 20; 100.0%; Pred. No. 6.9e+02; IVVP 0; Mismatches 0; Indels Coery Match Best Local Similarity 190. Matches 6: Conservative

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14 REALEG 19 REMARC # a ò

PESULT 2 A33660

osteoclast tunctional abtigen alpha chain - green monkey (fragment)
Cyspecies. Perceptiblecus authiops (green monkey, grivet)
Cyspecies. Descriptiblecus authiops (green monkey, grivet)
Cystecias. Descriptible description 30 Mar. 1990 #text_change 23.Mai 1995
Cystecias. Descriptible descript

Cuery Main.

04.1%; Score 28; DB 2; Length 13;

Best Lodak Similarity 62.5%; Pred. No. 6.46+02;

Aatches 6; Comservative 1; Mismatches 2; Indels

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Lrypsin (Ef 3.4.21.4) production marbled lungtish (fragment)
C.Specios: Procopterus aethicprous (marbled lungfish)
C.Date: 3) War-1998 asequence_revision 31-Mar-1988 #text_change 08-Nov-1996
C.Date: 31 War-1998 asequence_revision 31-Mar-1988 #text_change 08-Nov-1996
C.Date: 31 War-1998 asequence_revision 31-Mar-1988 #text_change 08-Nov-1996
C.Date: 31 War-1998 asequence_revision 427719
A.P. Reference 14 War-1997 amino ferminal sequences of bovine, dogfish, and lungfish try
A.P. Reference number: A27719
A.P. Residues: [1.21 AHEX>
A.P. Residues: [1.21 AHEX>
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beta tubulin binetai2 mouse
Cispucies: Mis musculus thouse mouse)
Cispucies: Mis musculus thouse mouse)
Cispucies: Mis musculus thouse mouse)
Cispucies: Or May 1995 #sequence_revision 21-Jul 1995 #text_change 17-May 1999
Cispucies: Or May 1995 #sequence_revision 21-Jul 1995 #text_change 17-May 1999
Rivary, Jil Redeker, Ville Caer, CiP.; Prome, J.C.; Rossier, J.
Rivary, J. Sq. 49 94, 1994
Althre: Class I and IVA beta tubulin isotypes expressed in adult mouse brain are glutar
A.Reference number: 848741; MJID:95010772; PMID:7926030
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                                                                                                                                                                                                                                                                                 TSK protein 5106 - rice (strain Nihonbare) (fragment)
C)Species: ryza satzva (free)
R)Tsugita, N.; Kimo, N.
Submitted (A.) (JF2), April 1993
A)Retrience number: FSOL09
A)Retrience number: FSOL09
A)Recession: PSO251
A)Molecule: Type: piccein
A)Residues: (19, 125;
C)Species: (19, 125;
C)Speci
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C;Sater 03-Feb-1394 #sequence_revision 05-Feb-1994 #text_change 67-Oct-1994
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A;Residues: 1:15 <TIT>
A;Note: sequence extracted from NCB1 backing Note:
2;Comment: This protein binds with mito-bondria, DRA:
C;Keywords: DNA binding; mitochondrian
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C.Superfamily: acylaminoacy, peptidase
C.Keywords: hydrolase; omega peptidase
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-1- SUBCNIT: F-TYPE ATPASES HAVE 2 COMPONENTS, CF(1) THE CATALYTIC CORE AND CF(0) THE MEMBRANE PROTON CHANNEL CF(1) HAS FIVE SUBURITS ALPHA 19, BETA(1), SAMMO C.

INSTITUTE MAIN SUBURITS A, B AND C.

SUBCELLULAR LOCATION: Chloroplast thylakoid membrane.

SIMILARITY: Belongs to the ATPASE alpha/heta chains family. Interero, PROSOUS4, ATPASE ALPASE alpha/heta chains family.

ACP Synthesis: Chloroplast, Thylakoid, Membrane, CF(1);

ACP Synthesis: Chloroplast, Thylakoid, Membrane, CF(1);

ACP Synthesis: Chloroplast, Indianaport.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN CHAC:
MEDLINE 9664301, Finned-85.6497,
Schilder U., Keel, D., Delago G., Haas D.,
This directed the count of ppg paner from Pseudomonas fluorescens UHA.
End directed the count of the genes results in overproduction of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TISSUE=Protonoma, MEDLINE 97295469, PubMed-9129336; MEDLINE 97295469, PubMed-9129336; Kasten B., Buck F., Nuske J., Roski R., "Cytokinin affects murlear- and plastome-encoded energy-converting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CATALYTIC ACTIVITY: ATP + 0.020 \mathrm{C} + 0.00 \mathrm{C} = ADP + phosphate + 0.000 \mathrm{C}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              plastid enzymes [];
Planta_201261_1021_1971.
-! FUNCTION: PROUDES ATP FROM ADP IN THE PRESENCE OF A PROTON GRACIENT ACROSS THE MEMBRANE. THE BETA CHAIN IS THE CATALYTIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Bryophyta,
Bryopsida, Funarildae, Funariales, Funariaceae, Physcomitrella.
NCBL_TaxID-3218;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bacteria, Proteobacteria, Gammaproteobacteria, Pseudomonadales,
Pseudomonadaceae, Pseudomonas.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20 %) Score 24: DB 1; Length 21; 44.4%: Pred; No. 1.7e+03; 1rve 2; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                               P80658;
01 CCT 1994 (Rel. 34, Created)
01 CCT 1996 (Rel. 34, Last sequence update)
28-PSP 2003 (Rel. 31, Last annotation update)
ATP synthase beta chain (BC 3.6.3.14) (Fragment).
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POCC FORED STANSARD: PRT, 11 AA.
AC 955173;
11.007:1956 [Rel. 64, Created)
DT 01.007:1956 [Rel. 64, Last Requence update)
DT 01.007:1996 [Rel. 64, Last Annotation update)
DT 01.007:1996 [Rel. 64, Last Annotation update)
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Chloroplast.
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is 4, Constructive
                                                                                                                                                                                                                                        STANDARD;
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                                                                                                                                                                                                                                    ATPB PHYPA
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Materies
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TISSUBLIEDS.
MEDICINE-94-8F74 LD. BLIMBE 897-477.
SCHITTA KIK. Discrib B.C. /
"Bovin-1ens acylpeptide hydrolass- Politication of a factoristic for price fying of a factoristic match of price fying but indictivation."

But G. Stochem. 216-631-637(1997)
PRECUENTS.

A METITARE 2008944, POLEMOL-2792364,
A Schaff M., Engels J., Tripler D.;
Schaff M., Engels J., Tripler D.;
Schaff M., Engels J., Tripler D.;

Thirmsty structures of new iso bindins? ";
FERSI Litt. 255:105-1061989;
T. FERSI Litt. 255:105-10689;
T. FERSI Litt. 255:105-10689;
T. FERSI Litt. 255:105-10689;
T. FERSI Litt. 255:105-10689;
T. SCHICHLUAR LICENS a scable in covalont supplier with a substitution of the metal of t
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Enkuryota, Metazoa, Chordata, Cran. dun Lentetruhu, Enhan.
Memmalia, Eutherna, Cetarthodactyin, Nemminita, he da, e
Boyndan, <u>Boynnae</u>, Bos.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query March
Best Local Similarity 44.4%; Pred 11 (Pred)
Marches 4; Conservative 3; Marches III, Indian
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* FORFIGE

* STREAMING FROCCETAMEN

* STREAMING FROCCETAMEN

* PRES STREAMING FROM THE FROM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       THE MEMBERSHIP TO
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Pest Local Similarity
Matches 47 Conserv
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Nobil TaxID 9913,
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KIAN BRAIN

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탄일반병병영양한 등은 역사 없고 참석 보고 보다는 한 등 한 등 등 변경 함석 보다 있

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This SWISS PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non profil institutions as long as its content is in no way rodified and this statement is not removed. Usage by and for commoncial entities requires a license agreement (See http://www.isb-s.b.ch/announce/or send an email to incensealsb-s.b.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TISSUE-Colemptibe;
Touzet P., Eiccarol F., Moiss C., Damerval C., Huet J.-C.,
Perrocket C. C., Zhoy M., Jewisher E.,
The Fisher type Two dimensional helphoreship databases towards an integrated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDDINES9455802; FullMed-8071198;
Gundersen D.E., Lee T.M., Rehner S.A., Davis R.E., Kingsbury D.T.,
"Phytogeny of Tycop.asmalike organisms (phytoplasmas): a basis for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Zea majs (Maize)
Eukaryota; Virdiplantae; Streptophyta; Embryophyta; Tracheophyta;
Eppmantophyta; Magnoliophyta; Lillopsida; Poales; Poaceae;
PACCAD clade; Pantcoldeae; Andropogoneae; Zea.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01.0CT-1936 (Rel. 14, Created)
61.0CT-1936 (Rel. 34, Last sequence update)
28.FEE-2036 (Rel. 41, Last annoctation update)
Probable 5-adecosylmethionine synthecase (EC 2.5.1.6) (Methionine adenosyltransferase) (AdoNet synthetase) (Spot 178) (Fragment).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Locfaff witches: broom phytoplasma.
Bacteria, Firmicutos, Mollicutes, Acholeplasmatales,
Acholeplasmataceae, Phytoplasma.
                                                                                                                                                                                                                                                                                                                               30-MAY-2000 (Rel. 19, Oyeated)
30-MAY-2000 (Rel. 19, Last sequence update)
30-MAY-2000 (Rel. 19, Last annotation update)
30S ribosomal protein Sig (Fragment),
RESS OR RPS19.
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InterPro, IPR002222; Ribosomal S19.
PROSITE; PS00323; RIBOSOWAL S19; PARTIAL.
Albosomal protein; rRVA-binding.
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Best Local Similarity (215
Matches on Consequence
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          F : 11:
2 RCHAKGOK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A SEAAE UR
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C48878,
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                                                                                                                                                                                                                                    This SWISS PROT entry is copyright. It is produced through a collaboration between the SWISS Institute of Broinformatics and the EMBL our station the European Bioinformatics Institute. There are no terminations of the use by non-profit institutions as 3000 as its current in no way modified and this statement is not turbowed. Usage by and for correctable entities requires a license agreement. See Brip. [www.lib.oil.chiconcocor send an email to license agreement.]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This SWISS-PROT entry is copyright it is problem to a collaboration between the Swiss Institute of Broinformatics and the BMH outstation the European Boinformatics Institute. There are no restrictions on its ace by non-profit institutions as form as the near restrictions on way codined and this statement is not removed. These may and for corrected entities requires a license agreement flow and Newwist substitutional or send an email to licenseals between the sentitions.
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Appl. Brylron. Migrobiol. 61:3856 3864(1995).
-:- FUNCTION: REQUIRED FOR COENZYME PYRROLD CUINCLING CHINCHEOC.
BLOSSYNTHESIS.
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Acholeplasmataceae; Phytoplasma.
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Query Match 19.0%; Score 22; DR 1; Length 9; Best Local Similarity 15.0%; Pred. No. 1.36+05; Matches 3; Conservative 1; Mismatches 0; Indels
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Theor. Appl. Genet. 93:997:1005:1936).
+: FUNCTION: Genet. 93:997:1006:1936).
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PrincePro, 1PRC2273, S-AdoMet Synt.

Plan, PED2772, S-AdoMet SyntD2, 1.

PROSITE, PSOR376, ADOMET SYNTHETANE 1, PARTIAL.

PROSITE, PSOR376, ADOMET SYNTHETANE 1, PARTIAL.

Transferace, One-carbon metabolism, Multigene 14111y, ANT Electron.

Magnesium, Potassium, Metal-binding.
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SEÇÜENCE 15 AAJ 1601 MW, 23000 BOAGSEGESTER 34,
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"Reptode Loxins from venemous Coost scustor":
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Bukaryota, Metakoa, Gastropoda, Orthogastropoda,

Apogastropoda, Caenugastropoda, Surbeoconcha, Hypsogastropoda,

Medgastropoda, Comundea, Comidae, Komus,

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SPECIES.C. carpio: FISSUE=Pituitary.
Acher R., Chauvet J., Chauvet M. T., Crepy D.;
"Characterization of neurohypophysical hormones from a freeh water bony fish, the carp Cyprinus carpio: Companison with humones from sea water tony fishs.";
                                                                                                                                                                                                                                                                                                                                                  Saps
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Petrocyzon marthus (Sea lamprey).
Bukarynta, Metazon, Chordana, Ciancaton Verrebroton Entereosiomi.
Antinopteryolo, Neopceryoli, Teleciteis naturibys. Cypriniformes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SPECIES P. TALLONG TISSUE-PRIDITY CONTROL OF THE CO
SIMILARITY: BELONGS TO THE VASOPRESSIN/CXYDOTIN FAMILY
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                                                                                                                                                                                                                                                                                           Scote (2) DB 1; Length 3; Pred; No. 1,7e+05; 1. Magmatches () Madels
                                                                                                                                                                    INTERPRETATION WITH COLD OF AMBRETICK
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0 AA; 1053 MW; 175817/5844/6554P CP/64.
                                                                                                                                                                                                                                                  9 AA; 976 MW; SEBBI7688491A669 (RUF4)
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01-NOV 1991 (Rel. 20, Last sequence update)
01-NOV-1995 (Rel. 32, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9 AA
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                    Interpret PR000991; Neurhyp_horm.
Pfam; PF00220; hormone4; 1.
PR05ITE; PSC0264; NGUROHYOPHYS; H. RY; 1.
Hormone; Neuropeptide; Amidation
DISULPID
DISULPID
i i neuroperide
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75.0%;
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Best Local Similarity 75.00.
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NCBI TaxID=7962, 7357;
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Matches 3; Conserv
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ID OXYT CYPCA
AC P23879;
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SATE AND COLOUR BRANCH COLOUR

RESULT 13

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This SWISS-PRUT entry is copyright. It is produced through a collaboration between the SWISS Institute of Bloinformatics and the EMSL curstation. The Eutopean Bloinformatics institute. There are no restrictions on its use by non profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to licensesisb-sib.ch).
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FUNCTION: FIBRINGEN HAS A DOUBLE FUNCTION: YIELDING MONOMERS THAT POWERS THAT PROPRESTION: FIBRINGEN HAS A COFACTOR IN PLATELET AGGREGATION.

SUBGRATION: SERVICE CONTAINING 2 SETS OF 3 NONIDENTICAL CHAINS AGHEA. HETA AND DAMMA! LINKED TO EACH OTHER BY DISULEIDE BONDS.

FIGHTAL HETA AND DAMMA! LINKED TO EACH OTHER BY DISULEIDE BONDS.

FIGHTAL HETA AND DAMMA! LINKED TO EACH OTHER BY DISULEIDE BONDS.

FIGHTAL HETA AND DAMMA! LINKED TO FIBRINGEN TO FIBRIN IS TRIGGERED BY THAT WHITH HETA AND DEPOPULDES A AND B FROM ALPHA & BETA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5. Bacteriol 176:5244-5254(1994).
- FUNCTION: PROTEIN S19 FORMS A COMPLEX WITH S13 THAT BINDS STRONGLY
TO THE 16S RIBGSONAL RAM (BY SIMILARITY).
- SIMILARITY: BELGNGS TO THE S19P FAMILY OF RIBGSONAL PROTEINS.
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"Mammalian phylogeny based on fibrinopeptide amino acid sequences.";
Syst. 2001. 22:590 599(1972).
                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=94155802; PuthWed=8071198;
condersen D.E., Lee T.M., Periner S.A., Davis R.E., Kingsbury D.T.,
"Phy.ogeny of mycoplasmalike organisms (phytoplasmas): a basis for
their classification 7:
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Eukaryota, Metazoa: Chordata: Craniata: Vertebrata; Euteleoshomi,
Mammalia; Eutheria: Perissodactyla; Rhinocerotidae; Ceratotherrum
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01 JAN:1930 (Rel. 1), Created)
01 JAN:1930 (Rel. 1), Last sequence update)
28-FES-2033 (Rel. 4), Last annotation update;
Fibrinogen alpha chain [Contains: Fibrinopeptide A] (Fragrent).
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96.0%; Pred. No. 2e+03;
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                                                                                                                                                                                                  Elm yellows phytoplasma.
Bacteria, Firmicutes, Mollicutes, Acholeplasmatales,
Acholeplasmataceae, Fiytoplasma.
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                                                 30-MAY-2000 (Rel. 39, Cleated)
30-MAY-2000 (Rel. 39, Last sequence update)
28-FEB 2003 (Rel. 41, Last annotation update)
RPSS OR RPS:9.
12 A.A.
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1. FINCTION: THIS PROTEIN IS PROFEDING A COMPOSED FOR THIS, AS WELL AS POLYMERASE. IT MAY FONCTION IN BINA SYNTHESIS. CALLING, AS WELL AS METHIALIAN OF CARAS, AND POLY & SYNTHESIS.

1. CATALYTIC ACTIVITY: N nucleonade triplingshing of N diphosphate.
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MSDLINE-89299433; PubMed=2741347;
MSDLINE-89299433; PubMed=2741347;
MSSLIVER-S.S. Börlia R.S., Butcher M., Fire, B., Biach H.F.,
Bandliev A.K.;
"Stinctione and expression of the Typeptitett desired. Bandiusa
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18.1% Source. 1. TR 1s Descritt,
Best Local Similarity 45.5% Pred No. 1.500. 5.

Matches 5; Conservative 3; Mishatones 1, 10.0018
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Virusess seRNA negative-strand villiers, Mondhedwhita.ets;
Rhindoviridas, Vesiculovirus.
VCRI Taxiz:11273;
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01 JAN 1950 (Rel. 13, Created)

01 JAN 1950 (Rel. 13, Last sequence updated)

01 FR 2001 (Rel. 41, Last annotation updated)

RNA polymerase beta subunit (EC 2007 441 (14)
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The FANTOM Consortium;
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The FANTOM Consortium;
The FANTOM Consortium;
Analysis of the mosty transcriptor based on functional annotation of 60;770 full-length consortium;
Nature 426160 533.2023.;
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WEDLINE 9179605: FunMed 1910340;
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WEDLINE STORM BOARD AND A FORMERS. DISCRETING CONTROLS PROPHEROLIXING ACTIVATION of A FORMERS IN MICHAEL STORM FEB.

FLOCKET BLODGES FES. Commun. 179.84; 846(1991).

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OBTREE; 199 (TERMELE). 10, Created)
OLYMY 199 (TERMELE). 10, Last sequence update)
OLYMY 200 (TERMELE). 17, Last sequence update)
Laccoferin (Fragment).
Equis vaballus (Morse).
Edanyola, Metazoa) (Mordata, Cramiata, Vertebrata, Eureleostomi, Mammala, Eureleostomi, Perissodactyla, Equidae, Equis.
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COTXCE 01 MAY-2000 (TREMSLIC) 13, Created)
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Best Local Similarity (2.5%) Pred. No. 1.5e+03;
Matches of Conservative 2; Mismatches 1; Indels
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Ovtonik D.H., Colons R.F.;
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dobydrogenase (EC 1.4.i.); Fragments.
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Chordata, Chordata, Chordata, Chordata, Contata, Contata (Boyle).
Boyle, Eucheria.
Boyle, Eccentical Sectantiodactyla.
Fine minita, Periody P.M.: Health (P.M.: No. 1.1.).
Proceedings.

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Sest Local Similarity 44.4%; Prod. No. 1.04-02;
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"Origin and divergence of tandem repeats of primate 04 depamine
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Chen W., Konisky J.;
Charusterization of a membrane-associated Affeke item Methanogous
"Charusterial of a membrane-associated Affeke item Methanogous
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J. Hasterial if its is 677-56871593;
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01 MAY 2000 (TERRELEEL 13, Creater)

02 MAY 2000 (TERRELEEL 12, Last epole in 17)

03 OCT 2002 (TERRELEEL 22, Last epole in 17)

04 OCT 2002 (TERRELEEL 22, Last epole in 17)

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"Isolation and characterization of an arytatkylation is acetyltransferase from Drosophila malatipasion."
FERS Lett. 375:148-150(1995).
FERSON PROPOSOF SELECTION OF A SELECTION OF A SEQUENCE TO A SELECTION OF A SEQUENCE TO A SECUENCE                                                                                                       18 18
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Methanocochaceae; Methanococcus;
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Membrane-associated ATPase alpha subunit (Frigment
Nothanococcus voltae.
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Hintermann E., Jeno P., Neyer U.A
"Isolation and characterization o
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Anto-8717846 PubMed-6927944,
Anto-871784 Cimelon R., Prokup U. V., Vokilon W.R.,
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SEQUENCE 16 AA; 16:9 MW; 7330HAICD1:93CD6 CRC64;
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188 mediated disease, antibody response.
                                                                                     Greenwood J. Hewatt E. Lammin A. Mashi S.
WG. Van Mochelen MF. Vinals To Hassis Yin
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                                       COMIK : SMITHKLINE BEECHAM BIOLOGICALS. (PEPT - PEPTIDE THERAPEUTICS LTD.
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AUS 1700, 00048-0020707.
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                                                                                                         Turnell WG,
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                                                                                                                                         Will, 2000-57073/53
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AAUL6647
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The present invention relates to linkage methodology for use in the conjugation of compounds (e.g. peptides) to carrier vehicles

(e.g. macromolecules, polyeers, dendrimers, proteins) to produce biological and imminological constructs. The invention provides a protein biological and imminological constructs. The invention provides a protein for use in a pharmaceutical composition or a vaccine. The invention describes peptides derived from or mimotopes of the cinematory cepsilons of the invention are used to produce conjugated compounds. The compounds or compositions of the invention are useful in the manufacture of a compositions of the invention are useful in the manufacture of a medicament for the treatment of IgE medicated diseases. The invention allows for controlled conjugation of a peptide epitope (antigen) to a protein so as to form an imminogenic conjugate which may be able to raise a protective antibody response in an animal or human patient.

The Cupsilon2/Cupsilon2/Cepsilon4 region of human igs.
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100.03; Pred: No. 2.9e-10;
11ve 0; Mismatches 0;
(ACAM-) ACAMBIS RES LTD.
(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.
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for treating allorates comprising (II), (3) a ligand (IV) capable of recognising EL. (4) a pharmaceurical composition (PC) comprising (IV).

(5) a peptide (1a) capable of being recognised by (IV), (6) an immunogen (IV) comprising (IV) and (IV).

(5) a second and of the composition of the producing (IV).

(8) a second and historian release inhibitor. (I), (II) and (III) are useful in medicine and in the Taundacture of medicaments for treating and preventing allergues. (IV) is useful for identifying mimortopes of PL, in comparing medicaments for treating allergues. (IV) is useful for identifying mimortopes of PL, in engines. (IV) is useful in claded of the preventing and in the affinity purification of useful for identifying mimortopes of PL, in clading and in the affinity purification of inserting and includes from blood. (II) (III) and PC are useful for useful in claded and and and and allergues. (IV) is also useful in claded another exemplification of the present
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100.0%; Pred. No. 1.5e-09;
stive 0; Mismatches 0; Indels
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22-FEB 2000; 2060GB-0604096.
22 AJG 2000; 2000GB-0626707.
22-AJG-2000; 2000GB-0020708.
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                                                                                                                                                                   The present invention relates to compugates suitable the user of variables, where the compugate comprises a distiprise build by the relation of an immunique or rise. The vaccines can be used in the treatment of a all elements and the present sequence is a cyclic propriet of the present sequence is a cyclic propriet of the present of the universal from buran influence of the stratch of the universal of the present of the stratch of the present of the pr
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100.0%; Pred. No. 2 94
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Dyson M. Randall R

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AAB25972 standard, Peptide, 21
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CRAPT CREPTION THERAPEUTICS (TO.
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The present invarion describes a publide (I) comprising an isolated surface exposed or up/epitope (B) of C-essilon-2 domain (D) of immunoalobin E (1986, or its minotope Aiso described are: (1) an immunoalobin E (1986, or its minotope Aiso described are: (1) an immunoalobin (D) of treating allegy comprising (D); (2) a vaccine (III) for treating allegy comprising (D); (2) a vaccine (III) or treating allegy comprising (D); (3) a peptide (D) apartmential of patience of bard and (D) producing (D); (6) an immunoalobin (D) a peptide (D) experience of producing (D); (6) an immunoalobin (D) and and (D) producing (D); (1) and (D); 
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                                                                                                                                                                                                                            Epitope, Timotope, human, immunoglobulin E/ 195; C-epsilon-2 domain, allergic disease, iTTHOprophylaxis, immunotherapy, antiallergic, immunosuppressive, varcine, histamine release inhibitor, immunogen,
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El. Van Mechelen MS. Vinals De Bassols YO.
                                                                                                              Pl mimotope peptide PT1079HHC SEQ ID NO:66.
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Randali R, Turnell Wi,
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The prisont invention relates to conjugates suitable for use in vaccines, where the conjugate complises a dissilphide bridge cyclised peptide and an armunogatic carrier. The vaccines can be used in the treatment of allergies. The present sequence is a cyclic peptide immunogen derived from human immunoglobulin 8 (198) suitable for use in the invention.
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vaccine; antiallergic; cyclic.
                                                                                                                                                                                                                                                         Immunogen, human; 198; immunogiobulin E; allergy; thic ether linkage;
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97.7%, Pred. No. 5.9e 08;
176. 6; Mismatches 0; Indels 1
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RESULT 9
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metiated diseases
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(SMIK ) SMITHKLINE REBCHAM BIOLOGICADS.
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1 CDEUGGVMDVD-CPREAAEGD 20
                           AAULees) standard, Peptide, 21 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21 DEC-1999; 9908-0030233.
DZ-FEB-2003, 2006048-004096.
U.AUG-2003, 200608-020707.
DZ-AUG-2003, 200608-020708.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21.DEC-2006, 2000MC-GBC4935
                                                                                                                                                                                                                                                                                       09-NOV 2001 (first entry)
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Rest Local Similarity 95.2
Matches 20, Conservative
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AAU16693
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The present invention describes an immunogen (I) comprising a peptide (I) and a carrier (IP) derived from protein D of Haemophilus influencae or its fragment. Also described are: (I) a vaccine comprising (I). And an excipient, (I) pickatation of (I), comprising conjugating a peptide to protein D or its fragment, and (I) preparation of a vaccine of (I), and comprising framilating (I) with an excipient. (I) has eyecate of (I), and the vaccine are useful for the manufacture of a medicament for preventing and treating infectious diseases such as malaria or chronic disease such as cancer, Alzbeiger's disease or altergy in a patient. Unlike prior art immunogens (I) induces high levels of antipeptide carrier. The present sequence represents a specifically claimed carrier. The present sequence represents a specifically claimed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Epitope, mimotope, human, inmunoglobulin E, 195; C-epsilon-2 domain, allergic disease, immunoprophylaxis, immunotherapy, antiallergic; immunosuppressive, vaccine, histamine release inhibitor; immunogen;
cancer, comprises peptide and carrier from protein D of influenzae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Greenwood J, Hewart E, Lamont A, Mason S,
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                                                                                                                                                                                                                                                                                                                                                                                      51.7%; Score 60; DB 21; Length 13; 100.0%; Pred. No. 0.03; 0; Indels 11ve 0; Mismatches 0; Indels
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                                 Claim 10; Fage 38; 53pp; English
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9908-0007151.
9908-0010537.
9908-0010538.
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9908-001046.
9908-001047.
9908-0025619.
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Matches 11, Conservative
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29-MAR 1999,
07-MAR 1999,
07-MAR 1999,
07-MG 1999,
07-SEP-1599,
07-SEP-1599,
23-CC1 1999,
23-CC1 1999,
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                                                                                                                                                                                                                                                                               The present invention relates to conjugates suitable for use in viccines, where the conjugate comprises a dissiphide bridge by listed peptide and an immunogenic carrier. The vaccines can be used in the Treatment of allorgies. The present sequence is a cyclic peptide immunogen delived from human immunoglobulin E (19E) suitable for use in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Immissions and vaccine comprising the impublishing to the permitted and treating infectious diseases out, malarity and one include diseases.
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pioarite dinoces Hammephilas Indicator, varist, vider vans Disease,
maranist oytostaira and allektiv motta, vider videriye in processioners and seeken processately allektivites of
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                                                                                                                                                                                        Conjugate for use in vaccine for treatment of allery, ordisciling bridge cyclized peptide and immunogenic corrier
                                                                                                                       Vinals Bassols YC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Auriallengy peptide mimotope sequence SEQ ID No.10
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                                                                  SMIK ) SMITHKLINE BEBCHAN BIOLOGICALIS
(PEPT) PEPTICE THERAPEUTICS LTC
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                                                                                                                                                                                                                                                                                                                                                                                                            59.5%; SCC.
100.0%; Pred
0; M
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                                                                                                                      Turnell WG.
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9905-0004408.
9908-0004112.
9908-0019260.
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 17-AUG 2001/ 2001WG-BP09576
                                   22-AUG-2000, 200038-0020717
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Sest Local Similarity
                                                                                                                       Mason S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lobet Y,
                                                                                                                                                         WFI; 2002-489648/52
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                                                                                                                                                                                                                                                                                                                                                                                          14 AA;
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25-FEB-1999;
25-FEP-1999;
13 AUG-1999;
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                                                                                                                       Filede M.
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AABD08/2
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(ACAM + ACAMBIS FESTITO)
(SMIK ) SMITHKLINE REECHAM BIOLOGICALS.
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                                                                                                                                                                                                                                                                                                                                                                                                                         11; Conservative
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                                            WPI; 2000 672073/53
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Matches 11; Conserv
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         Dyson M.
Randall F
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AAU16639
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                                                              The present invention describes a peptide (1) computating to the bed surface exposed group/epitope (E) of C-epsilon-2 drain. (2) of immunosciobilin E (198), or its mininge Also described also (1) or its mining allegge. Also described also (1) or treating allergies computating (1), (3) a leaded (1) capable (1) or treating allergies computating (1), (3) a leaded (1) capable of the composition (P) computation (1) or peptide (1) and (2) and (3) producing (1) or possibilising (170), (3) a peptide (14) capable of being recognised by (19) of the immunogen (1) or a peptide (14) and (3) producing (1) or its capable of the immunogen (1) or the interest of the immunogen of the present or and also in manufacturing medicine and also in manufacturing medicine and also in manufacturing medicine and also in disagnostics and in the afficinity positioning alternating and produced from blood (1), (1) and from the officinity from the officinity or interest (1) is useful in disagnostics and in the afficinity from the present of the present
                                                                                                                                                                                                                                                                                                                                                       00000
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Poptidus useful for treating, preventing and ameliorning allorgic diseases, comprising an isolated surface exposed group of a specific
                                                                                                                                                                                                                                                                                                                               $1.7%; $60ie +0; 08 20; Denormonia
100.0%; Pred. Mo 0.03:
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                                                                                                                                                                                                                                                                                                                                        100.0%; Pred. As
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pi mimorope peptide Pi5q SEQ ID MOSTI
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                                              Claim 14: Page 9: 129pp; English
                       demain from immunoglobulin B -
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99GB-0021047.
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99GB-0018603.
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99GB-0010537
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             allergy; atopy
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07-MAG-1999)
07-AUG-1999)
07-SEP-1999)
23-SEP-1999)
23-NOV-1999)
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29 MAR 1999;
07-MAY-1999;
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              diseases,
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                                                                                                                                                                                                                                                                                                                                  Query Match
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AAB25-917
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The present invention describes a peptide (I) comprising an isolated surface exposed group/epitope (BI) of C-epsilon-2 domain (D) of immunoglobulin E (1981, or its minotope, Also described are: (1) an immunoglobulin E (1981, or its minotope, Also described are: (1) an immunoglobulin E (1981, or its minotope, Also described are: (1) an immunoglobulin E (1981, or its minotope) (II); (2) a vaccine (III) or treating allergies comprising (II); (2) a vaccine (III) or treating allergies comprising (IV); (3) a ligand (IV); (5) a peptide (Ia) capable of being recognised by (IV); (6) an immunoglen (II) or interface (II) and (IV); (6) an immunoglen (II) or corprising (IV); (7) producing (III) by producing (IV); (1) are as a vaccine and instamine release inhibitor. (II) and (III) are useful in medicine and and in the manufacture of medicaments for treating as a vaccine and also in manufacturing medicaments for treating allergies. (I) is useful in diagnostics and in the affinity purification (IV) is also useful in diagnostics and in the affinity printergies. (IV) is also useful in diagnostics and in the ABE609 sepresent (IV) is also useful in diagnostics and in the exemplification of the present
                                                                                                                                                                                                                                                                                          Peptides useful for treating, preventing and ameliozating allergic diseases, comprising an isolated surface exposed group of a specific domain from immunoglobulin E.
Priede M, Greenwood J, Hewitt E, Lamont A, Mason S,
  Turnell WS, Van Mechelen MP, Vinals De Bassols YC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 14; Fage 9; 129pp; English
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Gaps 0 51.7%; Score 60; 28.21; Length 13; 100.0%; Pred, No. 0.03; 1.1ve 0; Mismatches 0; Indels

AAU16639 Standard, Peptide, 13 AA

Peptide P15 derived as mimotope of Cepsilon2 region of human IgE Human: linkage technology; conjugated compound; carrier vehicle; epitope; Cepsilon2; Cepsilon3; Cepsilon4; immunoglobulin E; IgE mediated disease; antibody response.

21-PEC-1999) 9948-0030233. 22-FEB 2000, 20063R-004696. 22-AUS 2000, 200038-0020707. 22-AUS 2001, 200038-0120708. 21-DEC 2000/ 2000W0 GB04935

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The present timention relates to inheads methology to the inclination of compounds each peptides to cattle removed in the conjugation of compounds each peptides to cattle removed in the conjugation of conjugation and inmunological constructs, the treent in previous and protein for linking an epitope leaf. The invention describes peptides derived from an invention of a various line invention describes peptides derived from an invention of the invention of cepsions of the invention of the invention are used to produce on ugated compounds. The compositions of the invention are used to produce on ugated compounds. The compounds of compositions of the invention are useful in the mannacture of a composition of the invention are useful in the mannacture of a profession of conjugation of a peptide epitipe various of a profession of conjugation of a peptide epitipe various of the invention and imministration of the law and industrial and interest of comparative antibody response in an interest or a set of crim an imministration of the conjugation of a mannaction of the Criman industrial inclination of the conjugation of a force of the conjugation of a mannaction of the conjugation of the conjugation of a mannaction of the conjugation of 
                                                                                                                        A linkage comprising an immunogenic nontuplic useful inclination of lag-
mediated diseases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hamma, linkage Costmology, composition of
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PT A linkage compilising an immunogenic conjugate useful treatment of lob mediated diseases.

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CC con quation of compounds legg, peptides) to acarrier (e.g. action) for use in a pharmaceutist of method for intuing an epitope (e.g. a peptide) to a carrier (e.g. a protein) for use in a pharmaceutistal composition or a vaccine. The compounds of compositions of the compounds or cepsilon? Cepsilon or describe the compounds or compositions of the invention are used to produce conjugated compounds. The compounds or compositions of the invention are useful in the manufacture of a compositions of the invention are useful in the manufacture of a compositions of the invention are useful in the manufacture of a section or the treatment of 195 mediated diseases. The invention allows for controlled conjugate which may be able to compositions of controlled conjugates in an animal or furan patient.

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Sequence 55, Application US/10144186
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APPLICANT: Ga., Zeling
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TITLE OF INVENTION NUMBER: US/10/144.188
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Sequence 133, Application US/10082014

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CHRANT FILING DATE, 2000-02-21
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PRIOR PILING DATE, 2002-02-21
FRICH PILING DATE, 2002-02-22
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US 17 372-00-123
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RESULT 10
US-10-105-232-397
US-10-105-232-397
IS Sequence 387, Application US/ICI05232
IS Sequence 387, Application US/ICI05232
IS SEQUENCEAL INFORMATION NO. USCOCINGEAL
APPLICANT: BCJOCH, A-KOUEL
APPLICANT: BC
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APPLICANT SOUCH, SAMUEL

TITLE CF INVENTION PEPLIKIN PHILIDES AND ANTIBODIES THEREFORE
FILE REFERENCE: 0428/4695
CURRENT APPLICATION NUMBER: US/10/189,437
CURRENT FILING DATE: 2020-07-08
PRIOR APPLICATION NUMBER: 10/105,232
PRIOR FILING DATE: 2020-03-26
PRIOR APPLICATION NUMBER: 20/203
PRIOR FILING DATE: 2020-03-26
PRIOR FILING DATE: 2020-03-26
PRIOR APPLICATION NUMBER: 05/203,396
PRIOR FILING DATE: 2020-03-26
PRIOR FILING DATE: 2020-03-26
PRIOR SPLICATION NUMBER: 60/203,396
PRIOR FILING DATE: 2020-03-27
PRIOR FILING DATE: 2020-03-27
PRIOR FILING DATE: 2020-03-27
PRIOR SEQ ID NOS: 729
SOFTWARE: PALENTIN 2010-03-27
SECTION 375
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                                                                                                                                                                                                                                                                                                    // Sequence 375, Application US/10189437
// Publication No. US26096194414A1
// GENERAL INFORMATION:
     1 KDG---DTKGTLECAQGKK 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ) CRGANISM: Plasmodium falciparum
US-10-189-437:375
                                                                                                                                                                                                          RESULT 9
US-10 189-437-375
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CRGANISM:
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... 1. inb-1s
Query Match
31.0%; Score 56; ER 10; Length 16;
Best Local Similarity 55.6%; Pred, Ro. 50;
Antiches 5; Conservative 3; Mismatches 1; Infels
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| CENERAL INFORMATION.
| APPLICANT: Grainger, David J. |
| APPLICANT: Tatalick, Lauen Marie |
| TITLE CF INVENTION: Compounds and methods to inhibit of ITLE CF INVENTION: Compounds and methods to inhibit of ITLE CF INVENTION: augment an inflammatory response.
| TITLE CF INVENTION: Augment an inflammatory response. |
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42.1%; Pred. No. 3.46+12;
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Fublication Web '52003180328A1
Fublication Web '52003180328A1
Fublication Web '52003180328A1
Fublication Web '52003180328A1
Fublicant BOGCH, EAWLEL
APPLICANT BOGCH, EAWLEL
APPLICANT BOGCH, EAWLEL
TITLE CF INVENTION: REPLICED IN 663 Feb.
TITLE CF INVENTION: AND IN INFLUENCY EFF.
FILE BREESENES: 0945-46904
CURRENT PILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: 60/20/3-39
PRIOR PILING DATE: 2001-07-09
PRIOR PELLING DATE: 2001-07-09
PRIOR PELLING DATE: 2001-07-09
PRIOR FILING DATE: 1998-09 04
PRIOR PELLING DATE: 1998-09 04
PRIOR PILING DATE: 1998-09 04
PRIOR FILING DATE: 1998-09 04
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Best Local Similarity 42.11
Marches 8, Conservative
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                                                                                                                                                                                                               12 CPREMAEGD 20
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CORGANISM: Homo sapiens
US 08 927-939-62
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   Length 21;
                                        Indels
Query Match
Best Local Statisty 42.1%; Pred. No. 2e-02;
Matches 8; Conservative 2; Mismatches 6;
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NS-10-36 C91 2

1 Sequence 2, Application US/10236091

2 Sequence 2, Application US/10236091

3 Publication No. US2030162263A1

5 Publication No. US2030162263A1

5 PUBLICANT CHARATICN.

7 TILE OF INVENTION. And HERV-KIB and Their Use in Obtaining

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7 TILE OF INVENTION. AND CHEESE AND CONTROL AND CHEESE RESERVEL 2010 Section Of S
                                                                                                                                                                                                                         Length 16;
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US-10-236-091-2
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Best Local Similarity 50.0
Matches 5, Conservative
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US-09-826-290 25
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US-10-236-09:-4
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Publication No US20021094144.
GENERAL INFORMATION: ANDER
APPLICANT: BODGGG, SANDED
APPLICANTION NUMBER: 10/105,210
BRICR FILING DATE: 2002-00-26
FRICR PLING DATE: 2002-00-26
FRICR PLING DATE: 2002-00-26
FRICR PLING DATE: 2001-07-09
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Best Local Similarity 50.0%; Pred. No. 1.64-02;
Matches 5; Conservative 2; Mismatches 3; Indees
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Hest Local Similarity 42.1%; Pred. No. 20-55;
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US 09-614-088-60
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S-10-362-527-133
US-10-362-527-101
US-09-914-088-65
US-09-914-088-65
US-10-362-527-1443
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US-09-914-088-8
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US-09-914-194 16
Sequence 16, Application US/09914088
GENERAL INFORMATION:
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APPLICANT Fileds, Martin
APPLICANT TOTAL MASSON STATES
TILE OF INVENTION: VACCINE Immunogens Comprising Disalphide Bridged Cyclised Peptid
TILE OF INVENTION: Add Use Thereof in the Treatment of Altergies
TILE OF INVENTION: Add Use Thereof in the Treatment of Altergies
CURRENT APPLICATION NUMBER: US/16/162,527
CURRENT APPLICATION NUMBER: PCT/EPD1/09576
PRIOR FILING DATE: 2001 06 17
PRIOR FILING DATE: 2001 08 17
APPLICANT: Tirnell, William Gordon
APPLICANT: Tirnell, William Gordon
APPLICANT: Tirnell, William Gordon
APPLICANT: Vinnell, William Gordon
APPLICANT: Vinnell, William Gordon
TITLE OF INVENTION: Green or Ximotopes Derived from the
TITLE OF INVENTION: Green or Ximotopes Derived from the
TITLE OF INVENTION: Green or Ximotopes Derived from the
TITLE OF INVENTION: Therapeutic Uses
FILE REPRENCE: 345.22
CUBRENT APPLICATION: Therapeutic Uses
FILE REPRENCE: 345.22
CUBRENT APPLICATION NUMBER: US/03/914,089
CUBRENT APPLICATION NUMBER: 38 991051.6
PRIOR FILING DATE: 1999 03-02
PRIOR FILING DATE: 1999 03-03
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US-10-362-527-142
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US-10:362-527 142
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APPLICANT Luncil, William dordon
APPLICANT Vincil William Gene Immunopens Comprising for Lightle Britanic Second Immunopens Comprising for Lightle Britanic Second Immunopens Comprising for Lightle Britanic Second Immunopens Comprising File Britanic Second Second Immunopens Comprising File Britanic Second Se
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3. 11.
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Best Local Similarity 100.0%; Pred No. 5 4-11;
Mutches II; Conservative 3; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gurty Match 100.0%; Score 116; DB-24; Best Lode, Similarity 100.0%; Pred. No. 5.4v 11; Matches 41; Conservative 0; Mismatches 7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ) CTHER INSCRMATIONS ARTHIOTAL VARIABLE OF HOW (SS.10-182-509 16)
                                                                                                                                 PRICE FILING DATE: 1999-05-07
PRICE FILING DATE: 1999-05-07
PRICE APPLICATION NUMBER: GB 9918594-4
PRICE FILING DATE: 1999-08-07
PRICE FILING DATE: 1993-08-07
PRICE FILING DATE: 1993-08-08-07
PRICE FILING DATE: 1993-08-07
PRICE FILING DATE: 1993-
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PRICE FILING DATE: 1999-05-07
FRICE APPLICATION NUMBER: GB 9910538.9
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GENERAL INFORMATION:
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APPLICANT Friede, Martin
APPLICANT OFFERWOOD, Cudity
APPLICANT HOWILL, Bilen
APPLICANT Amont, Alan
APPLICANT MASON, Seau
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LBM37H: 2:
TYPR: PRT
ORGANISM: Attificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  . OTHER INFORMATION: Chimeric UR 09-914 088 16
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US-09-914 088 65
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APPLICANT: Friede, Martin
APPLICANT: Mason, Sean
APPLICANT: Turnell, William Gordon
APPLICANT: Turnell, William Gordon
APPLICANT: Turnell, William Gordon
APPLICANT: Urnell, William Gordon
TITLE CF INVENTION: Vaccine Immunogens Comprising Disulphide Bridged Cyclised Pepting
TITLE CF INVENTION: and Use Thereof in the Treatment of Allergies
FILE REFERENCE: BAL236
CURRENT APPLICATION NUMBER: US/10/362,527
CURRENT FILING DATE: 2003-02-21
PRIOR FILING DATE: 2001-08-17
PRIOR FILING DATE: 2001-08-17
PRIOR FILING DATE: 2001-08-17
PRIOR FILING DATE: 2001-08-12
NUMBER OF SEQ ID NOS: 328
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                             7 OTHER INFORMATION: Attificial variant of Homo saplens 19E peptide US-10 362-527-143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Artificial variant of Homo saplens 1gE peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Coste, Michel
APPLICANT: Lobet, Yves
APPLICANT: Van Mechelen, Marcelle Paulette
APPLICANT: Var Mechelen, Marcelle Paulette
APPLICANT: Variest, Christophe
TITLE OF INVENTION: Imminogens Comprising a Peptide and a
TITLE OF INVENTION: Carrier Derived from H. Influenzae Protein D
                                                                                                                                                                                                                                                                                                                      Query Match 86.6%; Score 100.5; DB 29; Length 21; Best Local Similarity 35.2%; Pred. No. 11.7e-08; Matches 20; Conservative 6; Mismatches 0; Indels 1
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                                                                                                                                                                                                                                                                                                                                                                                                 Indels
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CURRENT APPLICATION NUMBER: US/09/914,080
CURRENT FILING DATE: 2002-0:-07
FRIOR APPLICATION NUMBER: GB 9904412.5
FRIOR APPLICATION NUMBER: GB 9904402.5
PRIOR PLILING DATE: 1999 02-25
PRIOR FILING DATE: 1999-02-25
PRIOR APPLICATION NUMBER: GB 9904408.3
PRIOR APPLICATION NUMBER: GB 9904408.3
SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 143 LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 CLEDGOVMOVO-CPREAAEGD 20
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| Sequence 10, Application US/09914080
| GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 CLEDGOVMDVBICPREAMEGD 21
                                                                       TYPE: PRT
ORGANISM: Aitificial Sequence
PENTURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Artificial Sequence
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APPLICANT: Wason, Sean
APPLICANT: Wason, Sean
APPLICANT: Wason, Sean
APPLICANT: Winell, William Gorden
APPLICANT: Unnell, William Gorden
APPLICANT: Unnell, William Gorden
TITLE OF INVENTION: Vaccine Immunogens Comprising Dishiphide Bridged Cyclised Peptide
File Release of INVENTION: and Use Thereof in the Treatment of Altergies
FILE REPERENCE: B48236
CCRRENT APPLICATION NUMBER: US/16/362,527
CURPENT FILING DATE: 2001-08-17
PRICE FILING DATE: 2001-08-17
PRICE FILING DATE: 2001-08-12
NUMBER: OF SEC ID NGS: 328
                                                                                                                                                                                                                                                              APPLICANT: Accessed Judity
APPLICANT: Syson, Michael
APPLICANT: Syson, Michael
APPLICANT: Syson, Michael
APPLICANT: Syson, Michael
APPLICANT: Generated Judity
APPLICANT: Generated Judity
APPLICANT: Generated Judity
APPLICANT: Manout, Alan
APPLICANT: Mason, Sean
APPLICANT: Mason, Sean
APPLICANT: Mason, Sean
APPLICANT: Washall, William Sordon
APPLICANT: Washall, William Sordon
APPLICANT: Van Mechelen, Marcelle Poulette
APPLICANT: Van Mechelen, Miliam Sordon
APPLICANT: Van Mechelen, Miliam Sordon
APPLICANT: Van Mechelen, Miliam Sordon
APPLICANT: Van Mechelen, Miliam
APPLICANT: Washall B4512
FILE OF INVENTION: Therapeutic Uses
FILE OF INVENTION: Therapeutic Uses
FILE OF INVENTION: Therapeutic Uses
FILE OF INVENTION NUMBER: GB 991043
FILE OF INVENTION NUMBER: GB 991043
FROM PRICATION NUMBER: GB 991044
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95.2%; Pred. No. 1.38
nive 0; Mismarches
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                                                                                                                                                                                                             Sequence 66, Application US/09314088 GENERAL INFORMATION:
1 CLEDGGVMDVDCPREAMEGD 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PFT
GRGANISM: Artificial Sequence
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US To 914-108-66
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US-10-362-527-143
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Sequence 8, Application US/10362527
GRREAL INPOMATION
APPLICANT Firede, Martin
APPLICANT Firede, Martin
APPLICANT Turnell, William Gordon
ITLE OF INVENTION: Vaccine Immunogens Comprising Disulphide Bridged Cyclised Peptid
TITLE OF INVENTION: And Use Thereof in the Treatment of Allergies
FILE REPERBUGE: 645249
CURRENT APPLICATION NUMBER: US/10/162,527
CURRENT FILING DATE: 4094 02421
PRIOR APPLICATION NUMBER: PCT/FD01/49576
PRIOR FILING DATE: 4094 02421
PRIOR FILING DATE: 4094 02421
PRIOR FILING DATE: 4094 02421
                                                                                                                                                                                                                                                                   APPLICANT: Priede, Mattin
APPLICANT: Greenwood, Judity
APPLICANT: Greenwood, Judity
APPLICANT: Greenwood, Judity
APPLICANT: Hearit, Ellen
APPLICANT: Hearit, Ellen
APPLICANT: Mason, Sean
APPLICANT: Mason, Sean
APPLICANT: William Gordon
TITLE CF INVENTION: Epsilon-2 Dorain of 19E, Antagonists Therevi, and Their
TITLE CF INVENTION: Epsilon-2 Dorain of 19E, Antagonists Therevi, and Their
TITLE CF INVENTION: Epsilon-2 Dorain of 19E, Antagonists Their
TITLE CF INVENTION: Epsilon-2 Dorain of 19E, Antagonists Their
TITLE CF INVENTION: Epsilon-2 Dorain of 19E, Antagonists Their
TITLE CF INVENTION: Epsilon-2 Dorain of 19E, Antagonists Their
TITLE CF INVENTION: Epsilon-2 Dorain of 19E, Antagonists Their
TITLE CF INVENTION: Epsilon-2 Dorain of 19E, Antagonists Their
TITLE CF INVENTION: Epsilon-2 Dorain of 19E, Antagonists Their
TITLE CF INVENTION: Epsilon-2 Dorain of 19E, Antagonists Their
TITLE CF INVENTION NUMBER: GB 9910538.9
PRIOR FILING DATE: 1999-08-07
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                                                                                                                                                                                               Sequence 11, Application US/0994098 GENERAL INFORMATION:
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Matches 11: Conservative
                                                   CUEDGOVADA
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           1 CLEBGQVMDVD 11
                                                                                                                                                                                                                                                        APPLICANT: Dyson, Michael
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 CLEDGCVMRVD 11
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PRICE AFFLICATION NUMBER: GB 9919260.1
PRICE FILLING DATE: 1999-08-13
PRICE AFFLICATION NUMBER: G9/719, 379
PRICE FILLING DATE: 1999-05-28
PRICE APPLICATION NUMBER: PCI/US99/1198.1
PRICE APPLICATION NUMBER: PCI/US99/1198.1
PRICE FILLING DATE: 1999-06-28
PRICE FILLING DATE: 1998-06-11
NUMBER: OF SEQ 10 NGS: 19
SOFTWARE: FASISED for Windows Version 4.0
SEQ 1D NI DO 15-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 8, Application US/09914089
GENERAL INFORMATION:
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CRGANISM: Attificial Sequence
FEATURE.
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                                                                                                                                                                                                                                                                                                                                                                                                          CTHER INFORMATION: Chameric CS 09-914-080 10
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US-09-914 088-8
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APPLICANT Friede, Martin
APPLICANT Hamorin, Ellen
APPLICANT Hamorin, Ann
APPLICANT Hamorin, Marin
APPLICANT Mason Service
APPLICANT Mason Service
APPLICANT Mason Service
APPLICANT Mason Service
APPLICANT William Gordon
APPLICANT William Gordon
APPLICANT William Gordon of 19E, Antagonists Thereof, and Their
APPLICANT William William Gordon of 19E, Antagonists Thereof, and Their
APPLICANT William William 1969/914,088
CURRENT MINION Therapeutic Uses
TILE OF INVENTION Therapeutic Uses
TILE OF INVENTION WINNER: US 992404,3
PRICE APPLICATION NUMBER: US 992404,3
PRICE APPLICATION NUMBER: QB 9910537,1
PRICE APPLICATION NUMBER: QB 9910537,1
PRICE APPLICATION NUMBER: QB 9910534,4
PRICE APPLICATION NUMBER: QB 9910537,1
PRICE APPLICATION NUMBER: QB 9910534,4
PRICE APPLICATION NUMBER: QB 9910534,4
PRICE APPLICATION NUMBER: QB 9910534,4
PRICE APPLICATION NUMBER: QB 991053,4
PRICE APPLICATION NUMB
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                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                      FEATURE:
7 CTHER INFORMATION: Artificial variant of Homo sapiens 1gE peptide
US-10-362-527-326
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C
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                                                                                                                                                                                                                                                                                        51.7%, Score 60, DB 29, Length 16;
100.0%; Pred. No. 0.038;
.ve 0, Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 15
US 10-362-127 100
| Sequence 100 Application US/10-62507 | General INFRAGIOS
| APPLICANT: Priced Million Application US/10-62507 | APPLICANT: Priced Million US/10-62507 | APPLICANT: Mason, Million
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ) Sequence 15, Application US 09914088 ) GENERAL INFORMATION:
                                                                                   CRGANISM: Attiticial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT CRGANISM: Artificial Sequence
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Best Local Similarity (00)
Matches II: Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 14
US-09-914-088-15
LENGTH: 16
TYPE: PRT
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APPLICANT: Frieds, Mattin
APPLICANT: Frieds, Mattin
APPLICANT: Frieds, Mattin
APPLICANT: Frieds, Mattin
APPLICANT: Frieds, Mattin
APPLICANT: Transis, Mattin
APPLICANT: Transis, Mattin
APPLICANT: Transis, Mattin
APPLICANT: Transis, Mattin
Title OF INVENTION: Vaccine Immunogene Compitation (Included Frieds OF INVENTION) And Use Thereof in the Invention (Included Frieds OF INVENTION) And Use Thereof in the Invention (Included Frieds OF INVENTION) AND THE 2003-62-2.
FILE REPRESSION MATERIAL 2001-08-17
FRICE APPLICATION NUMBER: GCT/ED01/00'76

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APPLICANT: Friede, Mattin
APPLICANT: Friede, Mattin
APPLICANT: Friede, Mattin
APPLICANT: Durnoll, William Gordon
APPLICANT: Fundil, William Gordon
TITLE OF INVENTION: and Use Thereof in the Treatment of Allerands
FILE REFRENCES HAS HAD BEEN USCAPENTED IN TREATMENT OF ALLERAND APPLICANT ON THE 2003-02 2
FILE REFRENCES HAD WINNER: 2003-02 2
FREE FILE CONTROL WINNER: GB 7020717.)
PRIOR PRILING DATE: 2003-02 2
PRIOR PRILING DATE: 2003-03 2
PRIOR FILING DATE: 2003-03 2
PRIOR FILING DATE: 2003-03 2
PRIOR FILING SATE: 2003-03 2
PRIOR FILING DATE: 2003-03 2
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100.0%; Pred, No. 0.00%;
tive 0; Mishatches 0; indels
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Best Lucal Similarity 100.0%; Ph.4 Sch. 100.
Matches 11; Conservative 0; Michaelte
NUMBER OF SEC 10 NOS: 328
SOFTWARE: FastSEC for Mindows Version 4.0
SEC ID NO 8
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// GENERAL IMPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-362-527-96
. Sequence 96, Application US/10362527
. GENERAL INFORMATION:
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Pest Local Similarity 100.
Matches It, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 CLEBGQVMBVD 11
                                                                                                                                                         TYPE: PRI
ORGANISM: Homo sapiens
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                                                                                                                               LENGTH
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APPLICANT: Turnell, Milliam Gordon
APPLICANT: Turnell, Milliam Gordon
TILLE OF INVENTION: Vaccine Immunogens Compilering Freeling Pringham Pringham Pringham Interpretation of Alvertine
FILE BENEMBER: B45236
CURRENT PRICATION NUMBER: BC7/EP01/01876
PRICE FILE SPELICATION NUMBER: BC7/EP01/01876
PRICE FILING DATE: 2003-02-21
PRICE FILING DATE: 2003-08-22
PRICE FILING DATE: 2000-08-22
PRICE PRICE FILING DATE: 2000-08-22
PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE PRICE 
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51.7%; Score For 18.3, implications: Secretary 100.0%; Pred No. 6 855

Matches II; Conservative 0; Mismatches 3, 101-16.
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NUMBER OF SEQUENCES: 228
COMPUTER PRADABLE FORM:
MEDIUM TYPE: Flofty disk
COMPUTER PROPER IN FORMSTELL
COMPUTER PROPER IN FORMSTELL
CORRESTING SYSTEM: PC-705/MS-CGS
SOFTWARE. PC-705/MS-CGS
SOFTWARE. PC-705/MS-CGS
SOFTWARE. PAPER IN FORMSTELL BY CATTON WINDER: US/C8/329,820
FILING DATE. 27-CTT-1994
CLASSIFICATION NUMBER: US/C8/329,820
FILING DATE. 27-CTT-1994
APPLICATION NUMBER: BS CTT-1993
ATTORNEY/AGENT INFORMATION:
AMME: Hamler King: Diana REGISTRATICN NUMBER: MS-FC ELSPHONE: TOS-243-6433
TELEPAX: TOS-243-6433
INFORMATION FOR SEG 15 NO: 154:
SEQUENCE CHARACTERISTICS:
LENGTH IN FOR SEG 15 NO: 154:
LENGTH IN TO ADDA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 26.7%; Score 31; DH 1; Length 10; Best Local Similarity 55.6%; Pred. No. 1e+02; Matches 5; Conservative 1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 5
US-09 057 892-13
US-09 057 892-13
Sequence 13, Application US/09057897
Sequence 13, Application US/09057897
September N. 6300476
GAPERAL INFORMATION
APPLICANT: And Additionary V.H.
APPLICANT: Additionary V.H.
APPLICANT: Additionary V.H.
TILE UF INVENTION: Anto-Peptide Antibody Against Human: TILE OF INVENTION: Cytochrome P450 3A4
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
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MEDIUM TYPE: Floppy disk
COMPUTER: ISM IN COMPATABLE
OPERATING SYSTEX: PC-DOS/MS-DOS
SOFTWARE: Parente: Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/057,897
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ATTORNEY/AGENT INFORMATION:
NAME: Eand, J. Mark
REGISTRATION NUMBERS: 18,545
REFERENCE FOCKET NUMBERS: 19902
TELEPHINE: (32,394,3905)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Merck & Co., Inc. STREET: P.O. Box 2000 CITY: Ranway STATE: N.C. CCUTTY: J3 ZIP: 07265-0307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FRAGMENT TYPE: Note:minal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: peptide
HYPOTHETICAL: YES
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STRANDEDNESS:
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CS-08-377-24[A-10]
CS-08-377-24[A-10]
Facebook [6, Application US/0837781A
Facebook [6, Application US/0837781A
Facebook [6, Application US/0837781A
FAPILICANT [6, Application US/083778]
FAPILICANT [6, Application US/08378]

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75.0%; Pred. No. 26; C. Tabels
TVP 0; Mismarches completes
                                                  Cerror h 17
                                                                                                                    41 Indels
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Breat No 5947467
SPREAL FORMATION
APPLICANT: PELDING HABERANN, BPCHRILE
APPLICANT: PELDING HABERANN, BPCHRILE
APPLICANT: PELDING HABERANN, BPCHRILE
APPLICANT: PERSONN, PRIEDRICE
APPLICANT: BRIDERICE
APPLICANT: ATPENANCE TITLE OF TRAINING TITLE
TITLE F INVENTION: Linear Addesing Inhibit as
                                           31.9%; Score 87; DB 4;
40.0%; Pred. No. 23;
tive 5; Mismatches
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ZIP. 1917
CYPUTTER PRADABLE FORM
MEDIUM TYPE. PLOPE ALSE
COMPUTER. 18M PC COMPALIBLE
CORPOTER. 18M PC COMPALIBLE
CORPOTER. 18M PC COMPALIBLE
SCHTMARE. 18M PC-DCS/MS-DCS
SCHTMARE. 18M PC-DCS/MS-DCS
CHERLING SYSTEM. PC-DCS/MS-DCS
CHERLING SYSTEM. 1977,79:18
FIGHES DATE: 24-JAN-1995
CLASSIFICATION LATA
REPLICATION LATA
APPLICATION LUMBER:
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REGISTRATION NUMBER: 3, 229
PEPERROPENCHENT NUMBER: 3, 229
PETERSYNMINICATION INFORMATION:
TELESYNMINICATION INFORMATION:
TELESKAN 115 % 68-3100
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ATTORNEY/AGENT INFORMATION:
              Cuery Match
Prst Local Similarity 40.0%
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Best Local Similarity
Matches 6, Conserv
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US 08 329 RLD 164
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GARBARL INCORMATION:

APPLICANT: FELLING HABBERANN, ERUNHILDE

APPLICANT: JEFELSAGH, BEAFFE

ACHRUTH SCHINGENICA, LIDWAR AGRESION ICHIDITORS

NUMBER OF SEQUENCES: ZS

COMPUTER: JEM PC compatible

OPERATING SYSTEM: PC-105/NS-105

SOFTWARE: PATENTIN BENEARE #1.0, Version #1.30 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: DS/06/329,820

FILING DATE: 27-0CT 1994

CLASSIFICATION NUMBER: DE 4336758.5

FILING DATE: 28-0CT 1994

APPLICATION NUMBER: DE 4336758.5

FILING DATE: 28-0CT 1993

ATTORNEY/AGENT INCOMMITTON:

NAME: HAMBER HAMBER: JA 33.302

REGESTENCE/DOCKET NUMBER: MERCK 1635

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

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TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
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55.6%; Pred. No. 1.2e+02;
Live 1; Mismatches 3; Indels
   LOCATION: 5
OCHER INPORVATION: /product. "Cys(Trt)"
FRATURE:
NAME/KEY: Modified site
                                                                                                                         LOCATION: 7
OTHER INFORMATION: /product= "Argimtr)"
                                                                                                                                                                                                      NAME/KEY: Modified-site
LOCATION: 9
CTHER INFORMATION: /product= "Asn(Trt)"
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                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: /product = "Bis(Trt)"
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: 12
OTHER INFORMATION: /product= "Gly-OMe"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 115, Application US/08329820
Patent No. 5747457
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                       FEATURE:
NAME/KEY: Modified-Site
LOCATION: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: Modified site
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Best Local Similarity 55.61
Processive 5, Conservative
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INFORMATION FOR SEC ID NO:
SEQUENCE CHARACTERISTICS:
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MOLECULE TYTE: peptide
GVPOTHETICAL: YES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4 DCPRNPHKG 12
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ANTI SENSE: K
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US-08-329-820 115
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Pred, Mo. 3126-52/
0/ Masmatches, 4/ Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Haller King, Diana REGISTRATION NIMBER: 35,302
SEPERENCE/DOCKET NUMBER: MERCE FILECOMMUNICATION INFORMATION: TELEPHONE: 703-243-6410
INFORMATION FOR SEQ IO NO: 110: SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                       Query Match
Rest Local Similarity 63.6%;
Matches 7; Conservative
TELEFAX: (732)594-4720
INFCRMATION FOR SEQ 1D NO: 11
SEQUENCE CHRACTERISTICS:
LENGTH: 1 amino acids
TYPE: amino acid
STRANCEDNESS: single
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                                                                                                                                                                          // TOPOLOGY: Inear
// MOLECULE TYPE: peptide
US-09-057 897.1:
                                                                                                                                                                                                                                                                                                                                                                                                                             1 CLEDGGVMDVD 11
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STRANDEDNESS:
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ်
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PATENT NO. 5747457
GENERAL INFORMATION.
APPLICANT PELETING-HABERMANN, BETWILLDE
APPLICANT PELETING-HABERMANN, BETWILLDE
APPLICANT PELETING-HABERMANN, BETWILLDE
APPLICANT PELETING-HABERMANN, BEATE
APPLICANT RIPPRANN, LINEAT ACHESION INDIDITORS
TITLE OF INVENTION. LINEAT ACHESION INDIDITORS
TOWNSTREY READERERS. 229
TOWNSTREY READERER FORM.
MEDIUM TYPE: PIORDY disk
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) Sequence 186, Application US/08103826
) Patent No. 574945/
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Mat thes 5, Conservative
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HYPOTHEIICAL: YES
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                                                                                                                                                                                                                       501
                                                                                                      Cuery March 26.7%, Score 41, LP 1; Longin 10. Bast Local Similarity 55.6%; Pred. No. 1 areas; Marches 5, Conservative 1; Mismatches 7, London
                                                                                                                                                                                                       SOFTWARE Patentin Refease #10. Version #1.55 FF CREMENT APPLICATION DATA; CLOSH MANUAL APPLICATION DATA; CLOSH MANUAL APPLICATION NOMBER: US/06/320, M. CLASS FICATION S30 FILM APPLICATION NOMBER: DE 431674 CLASS FICATION NOMBER: DE 431674 CLASS FILM APPLICATION NOMBER: DE 410 
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US OR 129-820-17)
FST-GROWN APPLICATION US/C0029820
FST-GROWN US/C0020820
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FST-GROWN US/CO020820
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FST-GROWN ENTERNAN, ENTERNA
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(THER INFORMATION: /product = 1 ys Tri
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amino acid
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MOLECULE TYPE: p.p.1.de
HYPOTHETICAL: YES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 U. D. PREAMES 19
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PHASMENT TYPE
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          STT-078-685-80-80
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US 18 129 N. 140
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TYPE: an
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: JONGTON, ALBERDAM, SKUNHLUDE
APPLICANT: FELDING HABERWAN, SKUNHLUDE
APPLICANT: BILBHARM, BRIDDHIGH
ITTLE OF INVENTION: Linear Adhesion inhibitors
NUMBER OF SEQUENCES 228
NUMBER OF SEQUENCES 228
NUMBER OF SEQUENCES 228
NUMBER OF SECARES OF SEX.
SANITER: HEY P' O' DS NESSON
O'SENITER: PO' O' DS NESSON
O'SENITER: PO' O' DS NESSON
O'SENITER: Reform NOTE: DS NESSON
O'SENITER: Reform NOTE: DS NESSON
O'SENITER: 
WEDILY TYPE: Floppy disk
COMPUTER: 18M FC compatible
OPERATING SYSTEM: PC COMPATIBLE
OPERATING SYSTEM: PC COMPATIBLE
OPERATING SYSTEM: PC COCCESSOR
CURSENT APPLICATION NATA:
APPLICATION NUMBER: DS/06/329.826
FLING DATE: 2/-OCT 1994
CLASSTECATION SYSTEM: PC 438758.5
FILING DATE: 2/-OCT 1993
ATTORNSTYAGNET NUMBER: DE 438758.5
FILING DATE: 2/-OCT 1993
ATTORNSTYAGNET NUMBER: MERCK 1635
FILING DATE: APPLICATION NUMBER: MERCK 1635
FILING CHARACTERE STOCKS: 185:
FILING CHARACTERE ST
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OTHER INFORMATION: /product= "Cys.Titl"
US 08-329 820-185
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us-09-914-088-16.closed.rai

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WEDLUX TYPE: Figppy disk

COMPUTER: IBM FC Comparible

OPERATING SYSTEM: PC-DCS/MS-CCS

SOFTWARE: PRIEDIN PC-DCS/MS-CCS

SOFTWARE: PRIEDIN PC-DCS/MS-CCS

SOFTWARE: PRIEDIN PC-DCS/MS-CCS

SOFTWARE: PRIEDIN PC-DCS/MS-CCS

APELICATION DATE: 27 OCT 1994

CLASSIFFORTION: MATA

PPLICATION MATA: 27 OCT 1994

CLASSIFFORTION: MATA: PRIEDIN 
                                                                                                                                                                                                                                                                                         56.7%; Score 31; DB 1; Length 12; 55.6%; Pred. No. 3.2e+02; 40:1Ve 1; M:smatches 3; Indels
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Best Local Similarity 55.6%; Fred. No. 1.2++02;
Matches 5; Conservative 1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 188, Application US/08)29820

Patent No. 5747457

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: FELDING-HARERMANN, BRUNHILDE
APPLICANT: FELDING-HARERMANN, BRUNHILDE
APPLICANT: FELDING-HARERMANN, BRUNHILDE
APPLICANT: FELDING-HARERMANN, BRUNHILDE
APPLICANT: RIPPANN, FRIEDRICH
INTER OF INVENTION: Linear Adhesion Inhibitors
NUMBER OF SAUGREERS
COMPUTER RAHEABLE FORM:
MEDIUM TYPE: Pigppy disk
                                                                                                                                ; LOCATION: 5
; OTHER INFORMATION: /product= "Cys(Me)"
US-08-329-820-187
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7 OTHER INFORMATION: /product= "Cys(Et)"
US 08-329-500-186
                             FRACTURE:
NAME/KEY: Modified-site
'Onation: 5
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FRACMENT TYPE: N-terminal
FSATURE:
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            FRAGMENT TYPE: N-terminal
                                                                                                                                                                                                                                                                                         Query Match.
Best Local Similarity 55.69
Matches 5, Conservative
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MOLECURE TYPE: pertide
HYPOTHURAL: YES
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4 DOTRIVERS 12
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STRANDEDNESS:
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US-08 329-820 188
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US-08 323/HL/ 184
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Best Local Similarity 55.6%; Pred No. 1.2-1.1.
Matches 5, Conservative 1, Mismatches 6, Local
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APPLICANT: CONCERN ALFRED
APPLICANT: ESLOING-HABERNAIN, PROMETTIFE
APPLICANT: FELLOING-HABERNAIN, PROMETTIFE
APPLICANT: DIBFERNACH, BARTE
APPLICANT: DIBFERNACH, BARTE
APPLICANT: DIBFERNACH, BARTE
APPLICANT: TIPE I FUNDATION
NUMBER OF SUDJENCES: 228
COMPUTER NEAGHALE FLAM:
COMPUTER: DE FUNDATION
CONFUTER: DE FUNDATION
COMPUTER: DE FUNDATION
APPLICATION
A
        NAME: Hamlet-King, Diana
REGISTRATION NUMBER: 33,302
REFERENCE DOCKET NUMBER: MERCK 1.05
FELECOMMUNICATION NUMBER: MERCK 1.05
FELECOMMUNICATION 1000RMATION:
TRLEPHONE: 703.243-6333
FELERAX: 703.243 64.0
INCURBATION FOR SEC 1D NO: 186:
SECURINCE CHARACTERISTICS:
LENGTH: 12 amino acci.
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50CATICN: 5
0 OTHER INFORMATION: /product= "Gys:Till"
US-08-119-820-186
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BEGISTRATION NUMBER: 33,302
REFERENCE/DOCKET NUMBER: MERCK 1615
TELECHANNINICATION INFORMATION:
TELEPHONE: 703-243-6333
TELEPAX: 703-243-6410
HEDRAATION FOR SEQ ID NO: 187:
APPLICATION NUMBER: DE 4336758.5 FILING DATE: 26.0CT-1993 ATTCRNEY/AGENT INFORMATION:
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Patent No. 5747457
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: Inmeat MCLECTLE TYPE: peptide HYPOTHETICAL: YES ANTI-SENSE: NO FRAGMENT TYPE: N-terminal
                                                                                                                                                                                                                                                                                                                                                                                                                                                       UENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS:
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LFNGTH: 12 amino acids
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MCLECCLE TYPE: peptide
HYPOTHELLOAL: YES
ANTL SENSE: NO
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STRANDEDNESS:
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US-24-129 AL0-187
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Sequence 1917 Application US/081298/9
Parent No. 947457
GREERL INFORMATION
GREERL INFORMATION
APPLICANT ELEFANDARY, BRUTHLDE
APPLICANT ELEFANDARY, BRUTHLDE
APPLICANT ELEFANDARY, BRUTHL
APPLICANT ELEFANDARY, BRUTH
APPLICANT AND ALE
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Selik, Score 31, DB 1, Length 12,
Best Local Similarity 55.5%; Pred. No. 1.26+02,
Matches 5, Conservitive 1, Mismatches 3, Indels
Matches 5, Conservitive 1, Mismatches 3, Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:

APPLICATION NUMBER: DE 4336758.5

FILING RATE: 28 OCT 1993

ACTORNEY/AGENT INFORMATION:
NAME: Harlet King, Diana
REGISSTRATION NUMBER: MERCK 1635

REFERENCE/DOCKET NIVRER: MERCK 1635
TELECOMMONICATION INFORMATION:
TELECOMMONICATION INFORMATION:
TELECOMMONICATION INFORMATION:
TELECOMMONICATION INFORMATION:
TELECOMMONICATION INFORMATION:
TELECOMMONICATION INFORMATION FOR SEQ IN NO: 196:
SEQUENCE CHARACTER:STICS:
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SEQUENCE CHRACTERISTICS.
LENGIN 17 anns acids
TYPE: anno ann
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MOLECULE TYPE: peptide
HYPOTHETICAL: YES
ANTI-SENSE: NO
FRAGMENT TYPE: NOTHETIGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DENGTH: 12 amin: acids TYPE: amino acid STRANDEDNESS:
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MCLETTA TYPE periode
HYPOTHETICAL MEN
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US-08-329 820-191
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APPLICANT: FELDING-HABERANN, HRUNBLICK
AFFLICANT: DIEFENANCH, BEATE
AFFLICANT: RIPERANN, FRIBDERGH
THILF OF INVENTION: Linear Adhesion inficions
WINNER OF SQUENCES: 228
COMPULER REGARREE FORM:
MEDIUM TYPE: Floppy disk
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NOWTCER: IRA PC compatible
PERATING SYSTEM: PC-DOS/MS LGS
SYSTAMSE: Patentin Release #1 0, Virgin #1,
CURRENT APPLICATION DATA.
APPLICATION NUMBER: US/US/12).8.
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Bust Lond. Similarity 15.6%: Prod. N. 1 111
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THER INFERMATION: /products/mys.Railor
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REGINTRATION WINNER: 33.302
REPERMINDINGET NUMBER: MERCK 1-15
THELEPSY MAINTAILON INFORMATION:
TELEPHONE, 709.243-6333
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Patent No. 524745/
Combani INFORMATION:
        Sequence 189, Application US/0832982:
Patent No. 5747457
GENERAL INFORMATION:
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SEQUENCE CHARACTERISTICS:
LENGHH. 12 amino acid
TYPE, anno acid
STRANHEDNESS:
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ANTI SENSE: NC
PRAMENT TYPE: Niterminal
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TELEPHONE, 703-243-6410
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MATECHIE TYPE: peptide
HYPOTHETICAL: YES
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ANTI-SIMSE: NC
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NAME/KEY: Modified-site
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S-08-329 820-291
Query Match
Rest Local Similarity 55.6%; Pred. No. 1.20-13.
Matches 5: Conservative 1: Mismatches 4: End-lic Pt Sups

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ج 13 Search completed: November 5, 2003, 18:29:41 Job time : 22 secs

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GenCore version 500 E
Copyright (c) 1993 - 2005 Compages 100
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Match Length DB
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м м м м м м м м м м м м м м м м м м м	RESULT : PH0937 T-cell receptor beta ch C)Species: Rattus norve C)Accession: PH0937 R/Gold, D.F.: Offner, H R/Gold, D.F.: Offner, H A/Title: Analysis of T A/Reference number: PHC A/ACCESSION: PHC937 A/ACCESSION: PH0937 A/ACCES	Query Best L Matche Qy Cb	PESSUETT COLLECTION OF COLOR O	Query Best F Matche Cy Db

RESULT PHO90L N

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Species: Ratios noivegratus: Norway rat.
C)Betel: 09 Oct.1992 #requence_revision 09-oct.1992 #text_change 30 May.1997
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30.8%; Score 16; 38.2; Length 6;
Best Local Similarity 75.3%; Pred. No. 2.8e+05;
Matches 3; Conservative 1; Mismatches 0; Indels
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20 8%: Score 16: DH 2; Length 8; Best Local Similarity 19:6%: Pred. No. 2.8e+35; Marches 2: Conservative 2: Mismatches 3; Indels Marches
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25.0%;
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C. Sxp. Med. 194, 1467-1476, 1991
A.MTILLE AACASSIS of Ticell receptor beta chains in lewis halp experimental diletage A.Accession, PHOSO1, MUID:92078657; PMID:1824.1.
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Cispecies: Theropithecus gelada (gelada taboon)
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Cipate: 19 May-1983 #sequence_revision 19-May-1989 #text_change 18-Aug-2000
Cidacession: F28654
RiNakamura, Sil Takenaka, Cil Takahashi, K.
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A. Title: Fibrinopeptides A and P of baloons (Papio anubis, Papio hamadryas, and Theropa
A.Reference number: A91973; Mild:84161822; PMID:6423621
A.Accession: F28854
A.Molecule type: protein
A.Resadues: 19 «NAK»
Cisuperfamily: fibrinogen beta chain; fibrinogen beta/gamma homology; fibrinogen disulf
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R.N.Kaido, T.; Brad.ey, D.W.; Pardee, A.B.
Exp. Cell Pes. 192, 102-109, 1991
A;Title: M:lecular cioning of transcripts that accumulate during the late G1 phase in A;Reference number: PHO108; MJID:91078351; PMID:1984406
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|ate 61-65 protein - mouse (fragment)
|Species: Mus musculus 'house mouse)
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A/Status: preliminary
A/Molecule type: mRNA
A/Residucs: 1-9 *NIK>
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RESULT 9
D61512
Variance dlycoprotein MiTat Lie - Trypanosima trushi (113) millioner de variant surface glycoprotein MiTat Lie - Trypanosima trushi (113) millioner de variant surface glycoprotein bruce.
Cispectos: Trypanossoma bruce.
Cispectos: Trypanossoma bruce.
Cispectos: D81512
Right de variance consequence.
Right de variance de variance surface diverginer di Trypanosima brucei. Citernia Appetencien number: A61512, MUTD:81172816, BMID:F183 NA
Airele consequence D61512
Airele type: protein
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Brochem, 94, 1973-1979, 1983
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Cysperiamily: Fibilingen beta chain; firilingen in the paracel beta chain; firilingen disulfi
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Superfamily: fibilogien beta chain; firling probes yet es
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fibiinepeptide B - hamadryas baboon
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home sapien home sapien oncorbynchu thunnus obe

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Mus musculus (Mouse).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
NCBI_TaxID=10090;
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TISSUS-Fibroblast.
MEDIZNE=95029907; FubMed=7523108;
Merrick B.A., Patterson R.M., Wichter L.L., He C., Selkirk J.K.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE.
TISSUE_Hemolymph;
MEDLINE=96321313, PubMed=8759295;
Shishikura P., Abe T., Ohtake S.-I., Tanaka K.;
Phishikura on and characterization of a 58,000-Da proteinase
inhibitor from the hemolymph of a solitary ascidian, Halocynthia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-0CT-1994 (Rel. 30, Created)
61-6CT-1994 (Rel. 30, Last sequence update)
01-FEb-1995 (Rel. 31, Last annotation update)
Unknown protein from 2D-page of fibroblasts (P36) (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  34.6%; Score 18; DB 1; Length 10;
50.0%; Pred. No. 9.2e+02;
..ve 2; Mismatches i; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Halocynthia roretzi (Sea squirt).
Eukaryota: Medazoa; Chordata; Vrochordata; Ascidiacea;
Stolidobranchia; Fyuridae; Halocynthia.
NCBI_TaxID=1729;
                                                                                                                                                                                                                                                                                                                                                                                                                      01-0cr-1996 (Rel. 34, Created)
01-0cr-1996 (Rel. 34, Last sequence update)
15-05c-1998 (Rel. 37, Last annotation update)
Serine proteinase inhibitor (Fragment)
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PNEU RAT
URA7 HUMAN
PSK DAUCA
UCO24 MAIZE
URO6 PINES
ORRY ORCLI
CLAH HUMAN
COXA ONCMY
COXC THUOB
GLEM HUMAN
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    RESULT 2
UF03_MOUSE
ID _UF03_MOUSE
AC P38641;
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C10997;
      roretzi.
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SPI_HALRC
    P38641 mus musculu
P47488 throbacillu
F62789 Econ Saplen
T744 Paptu Saplen
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P42098 eisenia foe
P94032 rattus norv
P97025 (asciola he
P13771 citrobacter
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                     GenCore version 5.1.6
(c) 1993 - 2003 Compugen Lid
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    protein search, using sw model

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Gapop 10.0 , Gapext 0.5
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- STRUNT; HEXAMER CONTAINING 2 SEIS OF 3 NONIDENTICAL CHAINS
- VALPEA, BSTA AND GAMMA), LINKED TO EACH OTHER BY DISULFIDE BONDS
- MISCELLANEOUS: CONVERSION OF FIBRINOGEN TO FIBRIN IS TRIGGESED BY
THEOMAIN, WHICH CLEAVES FIBRINOESTIERS A AND B FROM ALEHA & BETA
CHAINS, AND THES SEXFORS THE N TRAININL POLYMERIZATION SITES
FELGONSINLE FOR THE FORMATION OF THE NOFT CLOT.
                                                                                                                                                                                                                                                         Gaps
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Nakamura S., Takemaka C., Takahashi K.;
"Fibrinopeptides A and B of baboons (Papio anubis, Papio hamadryas,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sukaryota, Metazoa, Chordata, Cramata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Caraithini, Cercopithecidae,
Cercopithecinae, Papio.
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bukaryota, Marazo, Chordata, Chamata, Vertebrata, Euteleoston),
Mammilia, Eurhetia, Primites, Caminini, Cetoopitheoldae,
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01-NOV 1990 (Rel. 16, Last sequence update)
9-FEB 2003 (Rel. 4), Last annotation update)
Fibrinogen beta chain [Contains: Fibrinopeptide B] (Fragment),
FGB.
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01 NOV 1990 (Rel. 16, Created)
01-NOV-1990 (Rel. 16, Last sequence update)
28-FEP-2090 (Rel. 4), Last annotation update)
Fibrilogen beta chain (Contains: Fibrinopeptide B) (Fragment)
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28.6%; Pred. No. 1.3e+05;
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                                                  1 1 S-LINKED (GAL, ..).
8 AA; 855 MW; C2D87AA1F5B1EB1B CR064;
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Intelico, 18505181: Fitrinogen C.
PROSTIE, PSSCS14, PIRRIN AG C DOMAIN, PARTIAL
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                                                                                                                                                                Query Match
Best Local Similarity 28.6
Matches 2, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STANDARD;
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        Glycoprotein.
CARBCHYD
SEQUENCE 8 A
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FIBB PAPHA
ID FIBB FAPHA
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                S F. S
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glycopeptide containing cysteinyl galactose by
alsober-281(971).
blochem of 123.059-258(1971).
containing cysteinyl galactose by
alsober-281(971).
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Similab structe has also been round.
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Homo suplens Immani.
Bivanyuta, Metanca, Chordata, Cranial il Veniubrita. Buru, sestemi;
Memmilia, McDena, Primates, Catanibini, Honindas, Been,
VQBI,Taxic 9656;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30.8%; Score 16, 08 1; Evagra 2; 60.0%; Pred. No. 1.3e+05; ative 1: Mismatches ; indels
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Best Local Similarity 100.0%; Pred. Mc. Liberary
Marches & Conservative O, Mismatchin
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Shrmitted SEP-1-391 to the SWISS PAGT data Fast
-. MISCELLANGOUS: POUND SPECIFICALLY IN CRILES INLIGHED
GREWELTH BOTHO PHICALLY.
                                                                                                                                                                                                                                        SEQUENCE 7 AA, 842 MW, 6AA7281005181167 CROS4,
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21 JUL 1966 (Rel Cl. Created)
21 JUL 1966 (Rel Cl. Last Sequence update)
University (Rel 46, Last annotation update)
University (Cpublish)
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MEDITREPS 62734, PUBMed=5126885, Lote C J, Weiss JBB,
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Rest Local Similarity 60.03

Miches 3/ Conservative
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GLUS HENNAN

DOT 10 UNITS

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DOT 10 UNITS

DOT 10
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9 AA; 977 MW; DDFE7879C7287B06 CRC64;

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Best Local Similarity
Matches 3, Conserv
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0=0
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TISSUE=Midgut;
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URAL HUMAN
ID TURAL HIMAN
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                                                                            MEDLINE=84161822; PubMed=6423621;
Makamina S., Takenaka O., Takahashi K.;
Makamina S., Takenaka O., Takahashi K.;
Mishinospepildes A and B of baboons (Report not injust)

"Elbroughtheous geladar their armon soin segions—and
evolutionary rates and a molecular phylogeny for the fate-use ",
Biochem 94:1973 1978 11933.

"EUGITAN FIRPINOGEN HAS A DOUBLE PINCTION: VIELLING MORRES THAT
ROUMBETTE INTO PISRIN AND ACTING AS A COPACTOR IN PLATEBLET
ACREGATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1. SUBUNIT: HEXAMER CONFAINING 2 RETS OF 3 MONTHERFORD THATES OF SUBUNITY HEXAMER CONFAINING TO EACH CTHEM BY LISHLER BONDS.
-1. MISCELLANBOUS: CONVERSION OF FIRETNINGEN TO FIRETNIS TRACKREED BY TIPPOMENT, WHITH OLEAVES FIRENCHEPTICES A AND P FROM ALPHA S HETA CHAINS, AND THUS EXPENSES THE N TERMINAL POLYMERIZATION SITES RESPONSIBLE FOR THE FORMATION OF THE SOFT CLOT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CALPHA, BETA AND GAMMA), LINKED TO EACH CTHER BY DISCIPLED BYDDS (ALPHA, BETA AND GAMMA), LINKED TO EACH CTHER BY DISCIPLED BYDDS (MISCELLANDOUS) CONVERSION OF FIRSTNOGEN TO FIRSTN STRAIGHEED BY THROMEIN, WHICH CLEAVE FIRSTNOGEN TO FIRSTN BY AND HER Y ALPHA A PETA CHAINS, AND THUS EXPOSES THE NIEWMEAL POLYMENGUAL WITHES SERVICE FOR THE FORMATION OF THE SCRITCH.
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AC P. 19742.

AC P. 19742.

DT 0. NGV 1990 (Rel. 16, Created)

DT 0. NGV 1990 (Rel. 41, Last sequence update)

DT 28 FBR-2003 (Rel. 41, Last sequence update)

DT 28 FBR-2003 (Rel. 41, Last annohation uppate)

DT 28 FBR-2003 (Rel. 41, Last annohation uppate)

NN FOR CONTROL POTATION (Contains: Fibrinopoptide P) Firstruction

NN FOR CONTROL POTATION (Gelada Dabusto Control Proceedings)

The Chordatas Charles of Control Procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cuery Match 30.8%; Score 16, 18 is Length 3)
Bost Local Similaring 100.0%; Prod. No. 1.36405;
Matches 3; Conservative 0; Mismatches 0; Infels
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                                                                                                                                                                                                                                                                                                                                                                                                               InterPro, 1PR002181, Fibrinogen_C.
PROSITE, PSC0514: FIRRIN_AG_C_DOMAIN, PARTIAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FIBRINGPRETING B.
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InterBro, IPR002191; Fibrinogen C.
BROSTEY, PST0514; FIBRIN_AG_C_DOWALL; FAETIEL.
BROST CONGRESSION FIBRIN FETITOR, PREFIXER PREFIXER.
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MEDLINE-64161822; PubMed-642362;;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Blood coagulation: Plasma.
    Cercopithecimae, Papio
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3 - 3
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                   NCBI TaxID 9547
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SECTENCE
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50-MAY.2000 (Rel. 39, Created)
30-MAY.2000 (Rel. 39, Last sequence update)
28-FBR-2003 (Rel. 41, Last amontarion update)
28-FBR-2003 (Rel. 41, Last amontarion update)
Aminopepiidase N (EC 3.4.11.2) (CyllA(C) receptor) (Fragment).
Helicoverpa armigera (Cotton bollworm).
Eukaryota, Metazca: Arthropoda; Hexapoda: Insecta; Pterygota:
Neopipera: Endoprerygota: Lepidoptera; Glossata: Ditrysia; Noctuoidea:
NCCRI Tax10-29058;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            P12118, 01-0CT 1991 (Rel. 27, Cleated) 01-0CT 1991 (Rel. 27, Last agreence update) 01-0CT 1993 (Rel. 40, Last arguence update) 16-0CT 2001 (Rel. 40, Last arguence update) Unknown protein from 2D-page of red blood cells (Spot i) (Fragment) Hono sapiens (Human) Wartacan) Dukaryota, Metacan Chordata, Craniata, Vertebrata, Euteleostomi, Nammalia; Eutheria; Primates; Catarrhini, Hominidae; Homo, NOB: TaxID=9606;
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TISSUE Erythicoyte,
MEDLINE=94147976, FulMeJ.8315871;
Golda V., Highes G.C., Fruilger S., Paquet N., Bairoch A.,
Fraquillo, Sanchea, C., Trisson J.-D., Appel R.D., Walzer C.,
Balant L., Hachsteinser D.E.;
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ن
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                                                    C; Indels
Query Match

Observed Similarity 100.0%; Pred. No. 1.3e+05;
Matches 3; Conservative 0; Mistatches 0; Inde
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                                                                                                                                                                                                                                                                                   10 AA
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SEQUENCE.
MEDILING-TILG646; PurMed-556924;
Sun: Solids Colist., Solds Col.
Sun: Solids Colist., Solds Col.
Sun: Solids Colist., Solds Col.
Publitication of divisibilization of transaldolase isozyme 1 and
evidence for different genetic origin of isozymes i and ::: in
Candida utils./?
Arch. Brocker Stopys. 178:69-78:1977;
Arch. Brocker Stopys. 178:69-78:1977;
Arch. Brocker Stopys. 178:69-78:1977;
Arch. Program of the FENTINE PRIMAY:
ANTINITY SEGMENTINES - Princese 6 phosphate.
I phosphate - Directore phosphate pathway: nemoxidative part.
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ANTINITY SEGMENTINES TRANSALOGIASE FAMILY: SUBFAMILY: ...
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                                                                                                                    TISSUBLISHIN secretion:
Wabnitz P.A., Bowie J.H., Tyler M.J., Wallace J.C.;
"Peptides from the skin glands of the Australian buzzing tree frog
Litor: electrica, Verpalison with the skin peptides from Intoria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-AUG-1990 (Rel. 15, Created)
01-AUG-1990 (Rel. 15, Last sequence update)
28-FEB 2003 (Rel. 41, Last annotation update)
28-FEB 2003 (Rel. 42, Last annotation update)
29-FEB 1 (EC 2.2.1.2) (Fragment)
29-Chia jadzini, Yeast) (Candida urilis),
20-Chia jadzini, Ascomycota, Saccharomycotina, Saccharomycetes,
Saccharomycetales, Saccharomycetaceae, Pichia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ..
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 7;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 26.9%; Score 14; DH 1; 1
Best Local Similarity 60.0%; Pred. No. 1.3e+05;
Matches 3; Conservative 1; Mismatches 1;
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Interro, PROSISSA, Transaldolase.
PROSITE, PSO1054, TRANSALDOLASE 2, PARTIAL.
PROSITE, PSO1054, TRANSALDOLASE 1, PARTIAL.
                                                                                                                                                                                                                                                                                                          Aust. C. Chem. 52:639-645(1999).

SUBCELLULAR LCCATION: Secreted.

TISSUE SPECFFITTY: Stan.
Amphibian defense peptide: Amidation.
Moc 888
Amphibian defense peptide: Amidation.
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2; Conservative
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Best Local Similarity
Matches 2; Conserv
        NCBI_faxID=104895;
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TAUL PICCA
10 TAUL PICCA
AC PI7440;
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MNP1 LEPTE
1D MNP1 1510E
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SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                   Gates
"Plasma and red blood cell protein maps: update 1904.";
Electrophoresis 14:1223-1231(1993)
- MISCELLANECENS: ON THE 2D-GEL THE DETERMINED PLOFF THIS INKNOWN PROTEIN 18: 4.4, ITS MA IS: 23 kEa.
SWISS-2DPAGE, P30118; HJMAN.

NWT THE 1 NWT THE 1 10 10 10 10 10 SEQUENTE 10 AA; 977 MA; 723C65P1ADEABSIS CECA4;
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Bokanyone Marazan Chordala, Oranialas Verbetsalas acteur et mis
Amplitas Extractas Amoras Nechaliscosa, Estandario des
Peledijakonas dicortas
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28 FFE-2001 (Bp) 41, Last sequence updite
15 SEP 2004 (Bp) 42, Last annotation updates
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Best (2001) Similarity 66.7%;
Marches D. Conservative
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Best Local Similarity 75.0
Matches 3, Conservative
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NCSI TaxID-4905;
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TAL2 PEODA

TAL3 PEODA

DT 21-AUG 1990

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20 AC 862101

AC 862101

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01-AUG-1991 (Rel. 19, Last annotation update)
Locustamyctropin 2 (10M-MT-2).
Locusta migratoria (Migratory locust).
Eukarycta, Metazca, Arthropoda, Hexapoda; Insecta, Pterygota,
Necpiera, Orthoptereoidea, Orthoptera, Caelifera, Acridomorpha,
Acrido:dea, Acrididae: Cedipodinae, Locusta.
NCBI_Tax10-7004;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLING 95.800.43) PubMed-7651886;
Spittanis R., Varkeerberghen A., Schoofs I., Totrekens S., Savawels L., van Leuven F., deo A., Schoofs I., Totrekens S., Savawels L., van Leuven F., deo Dof A., Tofeni, fication, van Leuven E., des Characterization, and immunological lecatication of a novel myorropic neuropeptide in the Colorado petate neurole. Leptininiatas decembrineata.

Peptides 16:365-274(1996).

PENCTLOS MYOTROPIC PEPTIDE, STIMULATES THE CONTRACTIONS OF THE
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15 DRV 1998 (Rel. 37, Last sequence update)
16 DRV 1998 (Rel. 37, Last sequence update)
17 DRV 1998 (Rel. 37, Last annotation update)
18 DRV 1998 (Rel. 37, Last annotation update)
18 Rathus norvegicus (Rar)
18 DRV 1998 (Rel.)
18 
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               61 MOV-1999 (Rel. 32, Last sequence update)
01-40V 1999 (Rel. 32, Last annotation update)
Myotropio neuropeptide 1 (Led-MNP-11)
Leptinotats decembreata (Colorado potato beetie)
Enkarycta, Metazoa, Arthropoda, Hexapoda, Tisecta, Elerygita,
Neopteta, Endopterygota, Coleopteta, Polyphaga, Cucujiformia,
Phytophaga, Chrysomeloidea, Chrysomelidae, Chrysomelina,
Chrysomelin, Leptinotarsa.
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DI M. P., Pleissner K.-P., Scheler C., Boston Cognored
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25.0%, Score in: 18.7, Tenpil in
Best Local Similarity 33.3%, Pred. No. 1 Renes.
Matches 2, Conservative 2, Mismatches 1, Indian
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Submitted (SEP 1998) to the SWISS PROT data band,
Submitted (SEP 1998) to the SWISS PROT data band,
F. M.SCELLANBOUS, ON THE 2D-GEL THE DETERMINED PICKE PROPIETY IS: 8.5, ITS NW IS: 42 kDa.
DENSORE
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SEQUENCE 7.AA; 705 MM; 6DD73768745550BG 0R064;
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01 AUS 1991 (Rel. 19, Last sequence update
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Best Local Similarity 75.0
Matches 37 Conservative
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TISSUE Head,
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P2239k
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URLL RACT
10 URLL MAT
AC PS6576;
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SECÜENTE
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LMT2 LOCK1
1D LMT2 L
AC P22336
5T 01-AU3
5T 01 ASS
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                                                                                                                                                       MCD_RES 8 AMIDATION.
SEQJENCE 8 AA: 934 MM; 26341771A9CAA87B_CRC64;
                                                                                                                                                                                                                                                                                                           Search completed: November 5, 2003, 17:33:05
                                                                                                                                          Neuropeptide, Amidation, Pyrokinin.
MCD RES 8 8 AMIDAT
                                                                                                                                                                                        Query Match
Best Local Similarity 66,7
Matches 2: Conservative
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Q9gza8 rus musculu
Q9f5hl clostridium
Q9f5hl clostridium
Q8nerchomo sapien
Q9m78 boss mutus g
Q9df50 homo sapien
Q96df9 homo sapien
Q9cv55 fulica leuc
Q805562 moloney mur
                                                                                                                                                                                                                                                     Q8F5.4 Fattus miscuiu
Q95/64 mus miscuiu
Q95/23 simian sarc
Q47475 escherichia
Q8T75 hos tautus
Q8T75 hose tautus
Q61755 hosea brasi
Q63480 rattus norv
Q9F9e0 bacillus su
OBjj20 gallus gali
Q16428 homo sapler:
O9twh6 perimerels
O9my15 pongo pygma
Q8mjt7 eulemur tuli
Q8mjt8 eulemur fuli
                                                                                                                                                                                                                                                                                                                                                                            Q29810 homo sapien
Q47556 escherichia
Q96p97 homo sapien
Q8hzy2 canis famil
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01-NCV-1996 (TrEMBirel. 01, Last sequence update)
01-DCC 2001 (TrEMBirel. 19, Last annotation update)
Molocey minine sarcoma virus (Strain HT) env/mos 5' junction
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01, Last sequence update;
19, Last unnotation update;
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                                                                       08MCTB
09CKAA
09CKAA
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09CKTO
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 Q8JJ20
Q16428
Q9TWH6
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G47556
G96297
Q8HZY2
                                          Q9MYLS
Q8MJT?
                                            Best Local Similarity 75.0
Matches 3, Conservative
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                                                                                                        CSQT 18
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ELECTRON
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"Mapping of a replication origin within the promoter region of two
unlinked, abundantly transcribed actin genes of Physarum
polyeephatum.";
Mol. Cell. Biol. LA:968 976(1996),
EMBL, WR3459; AABG3706.1;
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Mammalia, Eutheria, Frimates, Catarrhini, Hominidae, Homo.
NCBI_Taxib-3506;
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MEDITARS 83.64975, FubMed=6100424,
Denograe D.A., Hunter T.,
Recombination junctions of variants of Noluney mutine sarvor virus;
Generation and divergence of a mammalian transforming gene ";
J. Virol. 45.607-617(1983).
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Denoghne F. G., Henrey F. T.,
"Recombine and day repence of a marrial and their form of Greenston and day repence of a marrial and their form of days repence of a marrial and their form of days repence of a marrial and their form of days repence of a marrial and their form of days repence of a marrial and their form of days and days repence of a marrial and their form of days repence of a marrial and their form of days repence of a marrial and their form of days repence of a marrial and their form of days repence of a marrial and their form of days repence of a marrial and their form of days repence of a marrial and their form of days repence of a marrial and their form of days repence of a marrial and their form of days repence of a marrial and their form of days repence of a marrial and days repence of a mar
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OF FEB. 1997 (TEMBLINE). C. Creater

OF FEB. 1997 (TEMBLINE). C2, Last sequence of order

OF PSP. 1997 (TEMBLINE). C8, Last active attention of the Arth. Fragment).
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09050: WW. 1994 Trightline. 08, Theatell
01.NGV. 1994 Trightline. 08, Last suguence update)
01.NGV. 1994 Trightline. 19, Last annotation update)
01.002 2001 (Pragment).
Polypiotein (Fragment).
Hepsinis G. Vinds.
Hepsinis G. Vinds.
With Standard Vindses, no DNA stage; Flaviviridae;
ROBV-C/ROV group.
NCBL TaxID-45055;
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EMBL, AF078655, AAC22 71.11 ...
NON TER SECTION OF AA, 889 MW, D95CASASBEB9CDDD CRC64;
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Bukaryota, Netazoa, Chordata, Craniata, Vertebrata, Buteleostoni,
Mammalia, Butheria, Primates, Catarihini, Hominidae, Homo.
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01.MAY-2006 (TrEMBLE), 13, Last sequence update)
01.MAY-2000 (TrEMBLE), 13, Last annotation update)
01.341(5.1) (Remainder of gene in sequence AL023513) (Fragment),
5E261.
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AS.3%, Score 15, DB.12, Length 9, Best Local Similarity 50.0%, Pred. No. 8.3e+05, Marches 1, Conservative 2, Mismatches 0, Indels Marches
                                                                                                                                                                                                                                                                   Query March 28.8%; Score 15; DB 11; Length 8; Best Local Similarity 66.7%; Pred. No. 8.3e+05; Matches 2; Conservative 1; Mismatches 0; Indels
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Best Local Similarity 42.9%; Pred. No. 8.38+05;
Matches 3; Conservative 3; Mismatches 1; Indels
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Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.
EEMBL, ALG78460, CABSTYSL11; *.
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1 : 8 8 8 8 8 8 8 1 D 3 3 3 3 3 3 5 B 6 1 A D D E CRC64;
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MEDILE 6-91291128; PubMed=2064608;
Thole B.F. Compblut P.W., Jakob E.;
Thole Brocon dilven dissociation of begradiol-receptor differs as a preparative tool. Isolation of a 32 kDa fracment for potcine stein and assignment of C-terminal origin by partial sequencine. It isolates to the sequencine of C-terminal origin by partial sequencine. It is is the sequencine of C-terminal origin by partial sequencine. It is is the sequence of C-terminal origin by partial sequencine. It is is the sequence of C-terminal origin by partial sequencine. It is sequence of C-terminal origin by partial sequencine.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 75.0%; Prod. No. 1.25-04:
Matches 3; Conservative 0; Mishalfines 1; Indebs
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Subjective (CASSES) to the EMPELSHORDERGEST Setables 
EMRC, 2091S; CASSESSI, 4.
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Bast Schall Standally (Schwiger Freige 1997) 1 (1997)
Marches (Conservative 1997) Marches (1997)
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BMHD, AR174016, AAR37323.17 -..
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SHARK REPARENCE STATES SHARK REPARENCE SHARK R

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"Genoric DNA containing the insertion that is seen in the alternative transcript of MJD1.";
Submitted (MAY-1997) to the EMBL/GenBank/DJBJ databases.
EMBL: ABG01802; BAAZ0188.1; -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SECTED BY PARK A MEDICAL SECTION OF SECTION 
                                                                                                                                                                                                             Sukaryota, Metazos, Chordata, Cranidata, Vertebrata, Buteleostomi,
Marmalia, Eutheria, Frimates, Cataithini, Hominidae, Homo.
NCBI TaxID=9606,
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Mitochondrion.
Bukaryota, Metazda, Chordata, Craniata, Vertebrata, Euteleostomi,
Depidosauria, Squamata, Iguania, Adrodonta, Agamidae, Draconidae,
                                                                                                                                                                                                                                                                                                                                                                                                                           Sugawara M., Toyoshima J., Takeda S., Imota T., Kato K., Mada C.,
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Manay [78], Schulte J A. II, Larson A.;
Evolution and information content of the milophondrial genomic strictural features is usustrained with acrodont lizards.";
Systems is 149-257-27 (2000)
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Pred. No. 2e+04;
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                                 Last sequence update)
Last annotation update)
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01-MAP 2001 (TrEMRLYel, 16, Created)
01-MAR-2001 (TrEMRLYel, 16, Last sequence update)
01-OCF-2000 (TrEMRLYel, 22, Last annotation update)
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Syst. Biol. 49:231-256-2000)
EMBL, AFIZE49H; AASCT711.17
Micochardron
01.400. 1997 (Tramble) 0
01.400. 1997 (Tramble) 0
01.bBC-2001 (Tramble) 1
MODI ult % (Fragment)
MODI NG 45.
Homo Mapiens (Human) 0
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Matches 3, Conservative
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NCBI TaxID 52216;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tchoudakova A.V., Kishida M., Nood B., Callard V.V., "Broncier characteristics of two CVP19 genes differentially expressed in the brain and ovary of teleost (ish.").
J. Steroid Blocken, Mol. Biol. G.C (12001).
BMBL, AF324895, AAN32616.1; -
EMBL, AF34896, AAN32617.1; -
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28.8%; Score 15; Da 13; Length or

Pest Local Similarity 100.0%; Pred No. 6,54-7;

Marches 3; Conservative 0; Marmarches (Daries)
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SEQUENTE TO AAA ILO AAA ILO AWA SERFETTHENDERS FOR PARTY.
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                                                                                                                                                                                                                                           0. MAR 200. (Trametrel, 2), Creates.
0. MAR 200. (Trametrel, 2), Last sequence update
0. MAR 200! (Trametrel, 2), Last annotation update.
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Bacterium Strommangeria, Antinon i 111, 110.
Caypelatienterie, Mycobacteriae. 1 (My. 17.
K.B. Taxib 1985).
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Matches 3: Conservative
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SELLE C.B.,
Submitted (APR 1995) to
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Pest Loc.: Similarity 75.0%; Pred. No. 2e+04,
Matches 3: Conservative 1: Mismalones 0: Inlels 0: Gaps 0:

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RESULT 15

COSELVATIVE 1: CAA.

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Obery March 28.8%; Score 15; DB 10; Leboth 17; Best Local Similarity 66.7%; Pred. No. 20+04; Mitches 2; Conservative 1; Mighafubes 1: Injets

Search completed: November 5, 2003, 17:34:19 dob time: 28 secs

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                                                                                                      The present invention describes an immunogen (1 continuous apprice (12) and a carrier (15) derived for a resolution to the continuous and the stagment. Also described atomic the properties of a continuous and an exciption; (2) preparation of (1, comprising continuous perfect of the properties of the stagment, and (1) preparation of a various of (1), and an explicit of the properties of the stagment, and (1) preparation of a various of (1), and antial-ergor, mostropic, neuroprofective and production activities.

The and the varcine are useful for the manifactive of a medical production of preventing and treating infectious disease or allerby in a partent. Unlike prior art immunogens, (1) induces high lavels of untireptide temporates will a finducing a modelate homogen in regions while present sequence aparts; the contract of the present sequence, which can be used it in a partent of the
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The present invention describes a paptide (i) comprising an isolated surface exposed group/epitope (EI) of C-epsilon-2 domain (3) of immunogen (II) in treating allergues comprising (1), (2) a vacorne (1) an immunogen (II) for treating allergues comprising (IV), (2) a vacorne (II) for treating allergues comprising (IV), (2) a vacorne (II) for treating allergues comprising (IV) (2) a vacorne (II) for treating allergues comprising (IV), (3) a rigard (IV) capable of recognising BI) (4) a plantaceutical composition (PC) comprising (IV), (2) a peptide (Ia) capable of being recognised by producing (IV), (2) a peptide (Ia) and (7) producing (III) by producing (II) (1) can lawer antiallergue and (7) producing (III) by producing (II) (1) capable of histarnian release in equivalence and in the manufacture of medicaments for treating and preventing allergues. (IV) is useful for identifying minocropes of PL, in medicine and also in manufacturing medicaments for treating allergues. (II) suseful in diagnostics and in the affinity publication of custom allergues. (IV) is also useful in diagnostics and in the affinity publication (IV) is also useful in diagnostics or suffering from allergues. (IV) is also useful in the exemplification of the present
                                                                                                                                                                                                                                                                                               Poptings useful for trusting, preventing and ameliorating allergic diseases, comprising an isolated surface exposed group of a specific domain from imminoglobulin E
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The present invention relates to a composition comprising allergy peptides linked by an inert carrier. The allergy peptides are derived from Immunoglobuline F [359] or [9] receptor. The present peptide is one such peptide from 19E. The composition is useful as a vaccine or for manufacturing a medicament for the propylaxis or treatment of allergy. In particular, for boosting an anti allergy immune response in an individual susceptible to an allergy esponse.
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igE C epsilon-2 domain surface exposed epitope peptide P2 SEQ ID NO.2.
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nes 8, Conservative
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   The present invention describes an immunosed [ Domition) a petitie of lateral and a partie (1b) derived from profess [ Domitions influenzae of its financial. As described are. If a vaccine organisms in the and an exception of its fragment and (5) preparation of a vaccine of (1), obtaining its with a peptition of profession of a vaccine of (1), obtaining its with a vaccine of (1), obtaining its with a vaccine of (1), and the vaccine are useful for the reservence of (1), and the vaccine are useful for the reservence of (1) and the vaccine are useful for the reservence of (1) and the vaccine are useful for the reservence of (1) and the vaccine are useful for the reservence of (1) and the vaccine are setul for the reservence of (1) and the vaccine are setul for the reservence of (1) and the vaccine are setul for the reservence of (1) and the vaccine are useful to the reservence of (1) and (1) and (1) and (1) are a setul for the preservence of (1) and (1) are a setul on the preservence of (1) and (1) are a setul on the preservence of (1) are reservenced of (1) and (1) are a setul of (1) and (1) are a setul on the preservence of (1) are a setul on the setul of (1) are a setul on the setul of (1) are a setul on the setul of (1) are a setul of (1) are a setul of (1) are a s
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prodistate cancer: Raemophilus: influencate; Vacciny: intentines disease;
malaria: cytostatic; antiallecgic; nocirophy: noungrouncitor,
profissacide; Alrbeiter's disease; alleryy
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                                                                                                                immunoylobulin 5 apitope immunogenic papride 850 IP No. e
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               AAR20868 standard; peptide; 8
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99G8-0004408,
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Bush Lucal Similarity 1880
Tana 8, Constructive
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25 FER 1999;
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13-AUG 1990;
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The present invention describes a peptide (I) comprising an isolated surface expised gloup/epitope (EI) of C-epsilon-2 do-ain (D) of Immunoglobulin E (ight, or its mirrore). As described are: (1) an immunoglobulin E (ight, or its mirrore). As described are: (1) an immunoglobulin E (ight, or its mirrore). The comprising (I); (2) a vaccine (III) of its rathing allocation; (I); (3) a (ight, or apable of companients). The comprising (IV), (2) or peptide (I vight, or its mirror) and (IV) appearsing (IV); (3) a (ight, or its mirror) and (IV) and (IV); (4) and (IV); (5) an immunoglobuline and historian erglesse inhibitor. (I), (II) and can be used us a vaccine and also in the manufacture of medicaments for treating and endounce and also in manufacture of medicaments for treating and endounce and also in manufacture of medicaments for treating allocation and also in manufacture of medicaments for treating allocation and addicaments for treating allocation and addicaments for treating confidential and particular susceptible to or suffering from allocated (IV) is also useful in diagnosing atopy. ABASS937 to ABASS999 represent
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Epitope, mimotope, human, immunoglobulin E, 19E, C-epsilon,2 domain,
                              allergic disease, comunoprophylaxis, immunotherapy, antiallergic;
immunosuppressive; vaccine; histamine release inhibitor; immunogen;
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Van Mechelen MP, Vinais De Bassols YC.
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100.0%; Pre-
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99GB 0007151.
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99GB 018594.
99GB 0021046.
99GB 0021047.
99GB 0021047.
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Tornell WG,
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                igE peptide #2
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                                                                                                                                     Human, linkage technology, conjugated compound, matter vertice, epitope, Cepsiloni, Depsiloni, Cepsiloni, Epsiloni, Inspired immunigiolilis E, ids mediated disease, antibody resjonse.
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100.0%; Pred. No. 9.56-05;
cave 0; Mismanchos 6; Libers
                                                                                                         Peptide P2 derived from Cepsilon2 region of human (98)
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(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS.
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                AAU16613 standard, Peptide, 8 AA
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22-FEB-2000; 2000GB-0004096.
22-AUG-2000; 2000GB-0020707.
22-AUG-2000; 2000GB-0020708.
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es 8, Conservative
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AAU: 6633
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The present invention relates to a composition comprising allergy peptides are derived beptides Linked by an inert carrier. The allergy peptides are derived from immunoglobulin B (198) or IgE receptor. The present peptide is one such peptide from 198. The composition is useful as a vaccine or for manufacturing a medicament for the propylaxis or treatment of allergy. In particular, for boosting an anti-allergy immune response in an individual susceptible to an allergic response.
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vaccine; antiallergic.
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2001, Score 39; DB 22; Length 8;
Best Local Similarity 100.0%; Pred. No. 9.38-05;
Matches 8; Conservative 0; Mismatches 0; Indels
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Vaccine, irmunoglobulin E, 1qE, anti allergy
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PEPTIDE THERAPEUTICS IID.
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The present invention describes a peptide (I) comprising an isolated surface exposed group/epitope (EI) of C-epsilon-2 domain (D) of immunoglobulin E (19E), or its minotope. Also described are: (1) an immunoglobulin E (19E), or its minotope. Also described are: (1) an immunoglobulin E (19E), or its minotope. Also described are: (1) an immunoglobulin E (19E), or its anable of immunoglobulin (II), (2) a vaccine (III) or treating allergies comprising (IV), (2) a vaccine (III) or treating allergies comprising (IV), (3) a ligand (IV), (5) a peptide (IA) and composition (IV), (6) an immunoglobulin comprising (IA) and (IV), (6) an immunoglobulin comprising (IA) and (IV), (1) as a vaccine and instantion release inhibitor. (II), (II) and (III) are useful in redictine and in the manufacture of medicaments for treating and preventing allergies. (IV) is useful for identifying minotopes of PI, or incularing articles and an object of incularing and articles and allergies. (IV) is useful for treating and articles and allergies. (IV) is also useful in diagnostics and in the affinity purification of useful for treating and praient susceptible to or suffering from allergies. (IV) is also useful in diagnostic atopy. AAB25907 to AAB2699 represent
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Peptide Pish derived as mimotope of Cepsilon2 region of human lgE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human: Indiage reconology, conjugated compound, carrier vehicle, epitope, Cepsiloni, Cepsiloni, Cepsiloni, immunoglobulin E, 192 "ediated disease, antibody response.
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                                                                                                                                                                                                                                                                                                                                                                                                               Length 6;
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Pred, No. 9.3e+05;
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BEECHAM SICLOGICALS.
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Similarity 100.0%; Pi
6; Conservative 0;
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7.2000; 2000GB 0004096;
7.2000; 2000GB 0020707;
7.2000; 2000GB-0020708;
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SMITHKLINE B
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Best Local Similatity
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mediated diseases
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22-AUG 2000; 2
22-AUG 2000; 2
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                                                                                                                                                   The present invention relates to conjugates solitable for one in vaccines, where the conjugate comprises a disulphide bridge by itself peride and an imminished control. The vaccines can be used in the Teacher of a allerances. The present expension about the Teacher of the present sequence is a peptide imminished by the true internation.
                                                                                                                                                                                                                                                                                                                                          Gaps
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Virols De Proceds Fil
                                                               Conjugate for use in vaccine for treatment of allerly, comprises disulfide bridge cyclized peptide and immuniqual carrier
                                                                                                                                                                                                                                                                                                   75.0%; Score 39; DB 73; Lepith 9; 100.0%; Pred. No. 9.36+0%; Did. Simulative 0; Mismatches 0; Italia.
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                                                                                                                     Claim 4; Page 9; 45pp; English
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99GB-0025619.
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49.38 0007151.
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8-st Local Similarity 100.
Matches 8: Conservative
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Homan, 1218/245; cytostatio; temunostimulant; vaccine; SSH;
humora: immine response; cellular immune response;
suppression subtractive hybridisation; HLA; human leukocyte antigen.
                                                                                                 ABP84233 standard; peptide; 3 AA
                                                                                                                                                                                HLA protein 12192A: p-ptide #688
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Afar DEH, Saffran D, Morrisc
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25-APR-2001, 2001US-286630P.
22-JUM-2001, 2001US-300373P.
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  WO200283068 A2.
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                                                                     RESULT 14
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becaused leading polymers, dendrimers, proteins to produce becaused immunological constructs. The intraction in provides a method for linking an epidome league peptide in a construct of the construction of a various (e.g. a protein) for use in a pharmaceutical composition of a various (e.g. a protein) for use in a pharmaceutical composition of a various. The protein of describes peptides derived from on minimalogues of the compositions of howering an engagined regions of the invention are used to produce contingated compounds. The compositions of the invention are useful in the mannal arrows of a medicurent for the treatment of the model dispasses. The convention allows for controlled conjugation of a peptide which may retrieve to a sister a protective antibody response in an animal or hower protective antibody response in an animal or hower protective.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  human, IgE, immunoglotunn 6; allerey, man etner bukage;
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Best Lonal Similarity 100.0%; Pred, No. 4 4447;
Matches 6: Conservative 9: Mindians
                                                                                                                                                                                the Cepsilon2/Oursilon3/Sepsilon4 region of human fed
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Mitchell SC: W. Jakobovits

ano AB, Faris M, Hubert RS, Morrison K, Morrison RK, Ge

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               contexts, including cancer vaccines. The antibodies or T cells leactive with the product are useful in passive or active immunisation, and in in author methodologies for the management of cancer. The sequences shown in ABE93646 - ARP96595 represent peptides from the 121P2A3 variants of
New composition comprising a substance that modulates the status of 121P2A polypoptides, useful for eliciting humbral or cellular immune responses or in assessing the status of 121P2Al gene products in normal versus cancerous tissues.
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Pred. No. 9.36+05;
1; M.smatches 0; Indels
                                                                                                                                                                                                              Claim 18; Page 141, 362pp; English.
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Atar PHR, Saffran D, Morrison E, Morrison RK, Ge W. (Redunits A)
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humotai immune response: cellulai immune response:
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                                                       ARP84%60 standard; peptide, 9 AA
                                                                                                                                                                                                                       HLA pastein 171P2A3 peptide #915
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25 AFR 2001, 20010S-286610P.
20-01N-2001, 2001/S-3001/3F.
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                                                                                                                                                                ZHEMAR 2003 (first entry)
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Search Completed: Myvember 5, 2004, 1

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Local Similarity 100
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US-10-382 C14-274
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81.785 Million cell updates/sec
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                          644079 segs, 171749292 residues
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Maximum Match 100%
Listing first 45 summaries
                                                                          OM protein - protein search, using swindel
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Gapop 10.0 , Gapext 0.5
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SECULD SET 14.274
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SECULD SET 15. APPLICATION US/10.82014
PUBLICAN NO. US20030184588A1
GENERAL HOROMATION: HANDWOENCE ABILITY SET 15. STABILIZED WITH AN Y TERMINAL APPLICANT HANDWOENCE ABILITY SET 15. SE
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us-09-914-088-24.closed.rapb

Thu Nov

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AUDRESSEE: Woodcock Mashuurn Kurtz Macklewicz & No. US20010012977Alris LL. STREET: One Liberty Place - 46th Floor CITY: Philadelphia STATE: PA
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US-09-832-132
Sequence 12, Application US/09832382
Sequence 12, Application US/09832382
Sequence 12, Sequence 12, Sequence 12, Sequence 12, Sequence 12, Sequence 12, Sequence 12, Sequence 12, Settling Service 12, Sequence 12, Sequ
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C)
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                                                                                                                                            Length 9;
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57.1%; Pred. No. 5.8e+05;
TVC 1; Mismatches 2;
                                                                                                                                            Query Match
Best Local Similarity 100.0%; Pred. No. 5.8e+35; Matches 3; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CHRREY APPLICATION DATA

CHRREY APPLICATION DATA

CHRREY APPLICATION DATA

FILING DATE: 11-Apr-2001

CLASSTERICATION: -OTHER

CLASSTERICATION: -OTHER

PRIOR APPLICATION: -OTHER

APPLICATION NUMBER: 08/64,641

FILING DATE: -OTHER

APPLICATION NUMBER: 08/64,641

FILING DATE: -OTHER

APPLICATION NUMBER: 38/54

RESISTERICE/DOCKET NUMBER: 33,34

RESISTERICE/DOCKET NUMBER: 33,34

RESISTERICE/DOCKET NUMBER: 30,317

THIEDRICH CONTINENT NUMBER: 30,317

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US-09-85-853-3
; Sequence 3, Application US/09835853
; Ratent US2022016513641
; GENERAL INFORMATION:
APPLICAMY: BASERGM, Remato L.
APPLICAMY: RESULGER, Mariana
APPLICAMY: RESULGER, Mariana
APPLICAMY: RESULGER, Mariana
TILLE OF INVENTION: MAY PETITIES ?
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INPERMITION FOR SEQ ID NO: 12:
REQUENCE CHARATERISTICS:
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Matches 4, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CCUNTRY: USA
ZIP: 19103
       ) TYPE: PRT
) ORGANISM: Homo sapiens
US-10-372-076 137
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Sequence 183, Application US/10082014
Subjected No. Application US/10082014
Subjected No. Application US/10082014
Subjected No. Application USC030188558A1
SEMENAL INFORMATION
FILE OF INVENTION: IMMUNCENIC HSc./HIXBN PARTITIES FIRALISE WITH AN N-TERMINAL CM FILE REPERSICE NO. 4564/85134
FILE REPERSICE TO 130 0 4564/85134
FURBENT APPLICATION NUMBER: 05/202
FRICE FILING DATE: 2002-02-22
FRICE FILING DATE: 2001-08-15
FRICE FILING DATE: 2001-08-15
FRICE FILING DATE: 2001-08-15
FRICE FILING DATE: 2001-08-15
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APPLICANT: Page, Martin
APPLICANT: Priede, Martin
TITLE 09: INVENTION STABILIZED HBC CHIMER BASTICLES AS THEBASPECTIN VACCINE FOR
TITLE 09: INVENTION: CHRONIC HEPATITIS
FILE REPRESENTE: 4564/9779
CURRENT APPLICATION NUMBER: US/10/37, 20%
CURRENT APPLICATION NUMBER: US/2003-029
FRIOR AIPLICATION NUMBER: US/2003-029
FRIOR FILING DATE: 2002-02-21
FRIOR FILING DATE: 2002-02-22
NUMBER: 0003-02-22
NUMBER: 0003-02-22
NUMBER: 0003-02-22
NUMBER: 0003-03-32
NUMBER: 0003-03-33
SEQ ID NO 137
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100.0%; Pred Mo, 5.86+50;
ative 0; Mismanches U; Indias
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Best Lodd, Schildtiffy 106-08, Prof. In Fig.
Matches 8, Organizative 0, Stickerstee
                                            08/10/374,636
FILE REBERRICE: 4564/97279
CORRENT APPLICATION NUMBER: US/10/372.6
CURRENT FILING DATE: 2603 02-2;
FRIOR APPLICATION NUMBER: 10/090,254
FRIOR FILING DATE: 2002-02 2;
FRIOR FILING DATE: 2002-02 2;
FRIOR FILING DATE: 2002-02 22
FRIOR FILING DATE: 2002-02 22
FRIOR FILING DATE: 2002-02 22
SUSTWARS: PARCHAIL NESS: 508
SUSTWARS: 2867 15 NGS: 508
SUSTWARS: 284 15 NGS: 508
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Publication No. US2030198645A1
GENERAL INFORMATION:
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Matches 8, Conservative
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US-10:372 (74-137
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OTHER INFORMATION: peptide screened from a phage display random US-10-303 331-92
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US-09-831

Squence 12

Squence 13

APPLICANT: Three 13

APPLICANT: Pfreundschuh, Michael

STILE SFERENCE: 100

SGL21

CURRENT APPLICATION NUMBER: US/09/83,639

PRIOR FILING DATE: 1999 69-30

PRIOR PFLING DATE: 1999 60-30

PRIOR PFLING DATE: 1999 66-25

PRIOR APPLICATION NUMBER: US 09/105,839

PRIOR APPLICATION NUMBER: US 08/851,130

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44.2%, Score 23, DB 12; Length 9;
Best Local Similarity 100.0%, Pred. No. 5.8e+05;
Matches 4; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Junsen, diselle G.
APPLICANT: Murray, Christopher J.
APPLICANT: Murray, Christopher J.
APPLICANT: Murray, Christopher J.
APPLICANT: Muneraky, Chebrah S.
TITLE GP. INVENTION: METHORS POR SELECTIVE TARGETING
FILE REFERENCE: GC617 3
CURRENT APPLICATION NUMBER: US/10/303.231
CURRENT FILING DATE: 2002-11-25
PRIOR APPLICATION NUMBER: US 60/197,259
PRIOR FILING DATE: 2001-04-11
PRIOR FILING DATE: 2001-04-14
NUMBER GF SEQ 1D NCS: 125
SOFTAMER: PERSTEED (or Windows Version 4.0)
SEQ ID NO 92
44.2%; Score 23; DB 9; De
100.0%; Pred. No. 5.8e+05;
live 0; Mismatches 0;
                                                                                                                                                                                                                                                                                            r Sequence 92, Application US/10303331
publication No. US20636152976A1
general information:
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GRGANISM: Attificial Sequence
                                                       4; Conservative
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US-09-833-1,99-119
     Query Match
Best Local Similarity
Matches 4; Conserv
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                                                                                                           1 CSTT 4
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Pred. No. 8.80-95;
1: M.smatches 2: 11:015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: EFFE... David A. APPLICANT: EFFE... David A. APPLICANT: Chem., Viyou APPLICANT: Chem., Viyou APPLICANT: Mirray, Chistopher J. APPLICANT: Mirray, Chistopher J. APPLICANT: MIRRAY, Chistopher J. APPLICANT: MIRRAY Pilar FERENCE: C661-2. CHASENT HILNG GG1-2. CHASENT HILNG DATE: 2001-64-11. PRICR APPLICATION NUMBER: US 60/197,249. PRIOR FILING THESE 2000-64-14. NUMBER: FASTE 2000-64-14. NUMBER: FASTE 2000-64-14. NUMBER: FASTE 2000-64-14.
                                                                                                                                                                                                                                                                                                          SOFTWARE: Parentin Release #1.0, Version #1.7.
CURRENT APPLICATION DATA.
APPLICATION NUMBER: US/09/835,8*3
                                                       HALE and DORR LLP
1455 Pennsylvania Avenue, M.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: WIXON, Henry N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCRET NUMBER: 104322.196
TELECOMMUNICATION: 1202) 942-8459
                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/704,544
FILING DATE: 28-AUG-1996
ATTOPNEY/AGENT INFORMATION:
                                                                                                                                                                                ZIP: 2004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM FC compatible
OPERATING SYSTEM: PC-DGS/MS-ECS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence (4), Application US/298,272, Parent No. US20020098524A1
GENERAL INFORMATION:
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Best Local Similarity 57.1%;
Matches 4; Conservative
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (202) 942-8484
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 9 amino acids
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STRANCEDNESS: single
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WOLSCOLE TYPE: peptide
HYPOTHETICAL: NO
                              CORRESTONDENCE ADDRESS: ADDRESSE: HALE and I
     NUMBER OF SEQUENCES:
                                                                                                           Washington
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Gaps

DB 1.; Length 9;

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US 10-364 414 12
Sequence 12. Application US/10364614
Publication US/20301/5250A;
Sequence 12. Application US/10364614
Publication US/20301/5250A;
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APPLICATION US/ALLO
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ORGANISM: Atabidopsis Thaliana
- OTHER INCREMENTION: Sequence Pocated in P16F2 5, at 27 36 and may interdof with
US-09-572 PHER INCREMENTION: Sequence Pocated in P16F2 5, at 27 36 and may interdof with
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CRGANISM: Arabidopsis Thailana
CTHER INFORNATION: Sequence located in (CAM2 OR CAL1) AND CAM3 AND
US-09-572-270A-241
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US-09 572 -120A-935
sequence 935, Application US/C9572233A
publication No. US2030349368A1
general information
GENERAL information
TILLE OF INVENTOR
FILE REFERENCE: Inter-complementary peptide listing
FILE REFERENT APPLICATION NIMBER: US/C9/572,20A
CURRENT FILING BIE: 2000-05-17
USMBER OF SEQ IF NOS- 1144
SOFTWARE: Profestent version 1.0
SEQ ID NO 935
LENGTH: 10
                                            RESULT 12
US-09-572 270A 241
) Sequence 241, Application US/09572270A
) Publication No. US2001145468A1
) GENERAL INFORMATION:
) APPLICANT:
) Proteom Litter Complementary peptide listing
) TITE OF INVENTION: Inter complementary peptide listing
) CURRENT HOLORY: Litter Complementary peptide listing
) CURRENT HOLORY: 1144
) CURRENT FILING LISTE: 2000-05-17
) NUMBER OF SEQ ID NOS: 1144
) SEQ ID NOS: 1144
) SEQ ID NOS: 1144
) SEQ ID NOS: 1141
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Best Lord, Statisticy (PALON) Pred. No. 5 Hu+62;
Matchen 4; Conservative 6; Mismatches 6; Indels
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APPLICANT: Tricol Oliver
APPLICANT: Tricol Oliver
APPLICANT: Salon, Jgur
APPLICANT: Salon, Jgur
APPLICANT: Freundschuh, Nichael
APPLICANT: Salon, Jgur
APPLICANT: Salon, Jgur
APPLICANT: Stevancovic, Stefan
TITLE OF INVENTION: Method for Determining Presence of Canony Beptiful By Determining TITLE OF INVENTION: Expression of an SSX Gene, Beptiful OF Sald SSX Gene, TITLE OF INVENTION: MYMBER: US/09/344,117
TITLE OF INVENTION: MYMBER: US/09/344,117
TITLE OF INVENTION MYMBER: US/09/344,117
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ORGANISM: Anabidopsis Thallana

CTHER INCREMATION: Sequence Locary for AMY of this and dynamication the

US-A9 FY2 270A-239
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Best Local Statistity 66.7%, Pred, No. 2007 [1]
Matchell 4) Conservative 1, Meetings 1, 1, 1, 1
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                                                               37 In hele
Sest Local Similarity 55.6%; Pred, No. 5.8e+05,
Matches 5; Conservative 1; Magarches 3
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US-16-197 207-119
Sequence 119, Application US/1917/209
Publication No. USZCOA0195844A:
SENERAL INFORMATION:
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Search completed November 5, 2063, 11 in. Job time , 2s secs

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/cgn2_6/ptcdata/1/laa+1B_CCM8_pcp++
/cgn2_6/ptcdata/1/laa+AA_CCM8_pcp++
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/cgn2_6/ptcdata/1/laa+PcTUS_CCM8_pcp++
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US-09-549-090-208 US-09-832-23CA-12C US-09-173-941-77 US-09-173-941-78 US-09-173-941-78 US-09-173-941-78 US-09-173-941-78 US-09-81-089-53 US-08-841-089-53 US-08-841-089-53 US-08-89-64-65 US-08-89-64-65 US-08-89-64-65 US-08-89-67-65 US-08-89-67-65 US-08-89-67-65 US-08-89-67-65 US-08-89-67-65 US-08-89-67-65 US-08-89-67-65 US-08-89-67-65 US-08-89-67-65	ALIGNMENTS 04344 L. ara ara PTIDES AND METHODS OF US Lip a Avenue, N.W. Avenue, N.W. 2100 273 2013 2013 2013 2013 2013 2013 2013 201	ore 25; DB 3; Leng ed, No. 2.5e+05; Mismatches 2; I
	15/2870  Martic Pel America    Martic Pel 23    Martic Pel 23    Martic Pel 23    Martic Pel 23    Martic Pel 24    Martic Pe	00 C- > 00 C- > 00 C- >
289 312 313 313 314 315 316 317 318 318 318 318 318 318 318 318 318 318	RESULT 1  US-08-764 144-3  Sequence 3, Application US/3870434  PRESIDENT: BASERGA, Renato L.  APPLICANT: BESNICOFF, Mariana APPLICANTE OF SEQUENCES: 2  CORRESPONDENCE AAD BAG DE STATES: ADDRESSEE: HADS BAG JORR LIP STATES: D.C.  CONNTRY: Washington STATES: LOCATION OF PROPERTIES OF COMPATION OF COMPATION OF STATES: D.C.  CONDITRY: USA  ZIP: 20004  COMPUTER: EMP PC compatible OPERATION TYPE: Ploppy disk  COMPUTER: PARDABLE FCRM:  MEDIUM TYPE: Ploppy disk  COMPUTER: PARDABLE FCRM:  MEDIUM TYPE: Ploppy disk  COMPUTER: PARDABLE FCRM:  MEDIUM TYPE: PLOCOMPATION  RECISTANTION NUMBER: 104  TELEPHONE: 1020: 942-8459  TELEFONDENCE CHARACTERISTICS:  LENGTH: 9 amino acids  TELEFONDEN: Inhear  MOLECULE TYPE: ADDRESS: SINGLE  TOPOLOGY: Inhear  MOLECULE TYPE: ADDRESS  HYPOTHETICAL: NO	ANT-SERSE: NO US-08-704-344-3 Query Match Best Local Similarity 5 Matches 4: Conservity 5

r Sallas

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APPLICANT: Baserga, Rento L
APPLICANT: Abraham, Savid
ITLLE D: INVENTION: Treatment OF Tumons with Chigonucleotides Directed To Insulin-Like
ITLLE C: INVENTION: Factor: Receptor (1GP-IR)
FILE REFERENCE: TUJ 2385
FILE REFERENCE: TUJ 2385
CURRENT FILLNO DATE: 1999-08-13
FRIOR APPLICATION NUMBER: 60/196,354
FRIOR FILING DATE: 1996-08-13
FRIOR APPLICATION NUMBER: 60/113,599
FRIOR FILING DATE: 1999-08-12
FRIOR FILING DATE: 1999-08-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Turect, Calem APPLICANT: Turect, Calem APPLICANT: Turect, Oglem APPLICANT: Sahin, Ugur APPLICANT: Sahin, Ugur APPLICANT: Sahin, Ugur APPLICANT: Sahin, Ugur APPLICANT: Stevanovic, Stefan TITLE OF INVENTION: Method for Determining Presence of Cancer in a Sample By Determ TITLE OF INVENTION: Expression of an SSX Gene, Peptides Derived From Said SSX Gene TITLE OF INVENTION: Expression of an SSX Gene, Figure APPLICATION: Market SSG 1 CURRENT APPLICATION NUMBER: US/09/344,040C CURRENT APPLICATION NUMBER: US/09/165,839 FRICE APPLICATION NUMBER: US/09/165,839 FRICE APPLICATION NUMBER: US/08/951,130 FRICE APPLICATION NUMBER: US/08/951,1
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LENGTH: 9 emino acide
TYPE: amino acid
TOPCLOSY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-09-832-382-12
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; Patent No. 6548064
; GENERAL INFORMATION:
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Best Local Simplarity 57:1%;
Matches 4; Conservative 3
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Best Loud Samilarity 57.1
Matches 4/ Conservative
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US-09-344 0400-119
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US-09-374-712A-11
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Secretary Apparent of The Secretary Secretary Secretary Apparent of The Secretary Secret
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48.1%; Score US: DB 4; Londin 1:

Post Local Similarity 57.1%; Pred. No. 2.59+36;
Matches 4; Conservative 1; Mismatches 3; Tobils
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APPLICATION NUMBER 184641
FILING DATE: «UNKNOWN.
FILING DATE: «UNKNOWN.
NAME PAUL K. Legara 18
REGISTRATION NUMBER: 184-134
REGISTRATION NUMBER: 184-134
REGISTRATION NUMBER: 184-134
TELEPRINE (2.5.) 568-134-3
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7 CTHER INFORMATION: No. 6312684el Seguence
US-09-864-6415-12
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ORGANISM: Artificial Sequence
PEATURE:
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90.0%; Prod. N: 1.34-72;
tive 0; Mishatines in Invite
                                                                                                                                            Query March
Best Local Similarity 55.6%; Pred. No. 2.56*75;
Matches 5; Conservative 1; Mismatches 1; Infels
                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Urfel, Roman APPLICANT: Urfel, Roman APPLICANT: Presta, Leonard G. APPLICANT: Wisslow, John W. ITLE OF INVENTION: Wisslow, John W. ITLE OF INVENTION: 20 CCRRESPONDENCES: 20 CCRRESPONDENCE ADDRESS: ADDRESSEE: Senentech, Inc. STREES GONDENCE ADDRESSEE: Constitution of STREE California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READARLE FORM:
MENTON TYPE: 3.5 inch, 1.44 Mc Luggy disk
COMPUTER: 18M PC compatible
OPERATING SYSTEM: PC-DOS/MS-DCB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SCFTWARE: Winfall Generated)
CORRENT AFFLICATION DATA:
APPLICATION NUMBER: US/28/441.51.A
FILING DATE: 15-May-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Toronia, PED, Timothy E. BEDISTRATION NIMBER: 36,709
BEDISTRATION NIMBER: P690-17
TELEVAMINISTRATION: 1808MATTAN: TELEVAMIN: 6-1025-8874
TELEFAM: 6607052-9881
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18.08 441.513A.9

Sequence 9, Application US/0844:513A

Patent No. 598.480
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Patent No. 6121236
GEMSBAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 435
19 CS APPLICATION DATA.
APPLICATION NUMBER: 08/25/937
FILLING DATE: 08/20N/1994
ATTARNEY/APRN INFORMATION:
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Best Local Similarity 90.0
Matches 4, Conservative
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INFORMATION FOR SEQ TO NO:
SEQUENCE CHARACTERISTICS:
NUMBER OF SECTION NOS 132
                                                                                                                                                                                                                                2 STTQEGELA :0
                                                                             ) ORGANISM: Homo sapiens
US-09-344-040C-119
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TOPCLOGY: Linear
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  SEQ ID NO 119
LENGTH: 9
TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                44.2%; Score 23; DB 3; Length 10;
40.0%; Pred. No. 2.38+02;
1Ve 0; Mismatches 1; Indels
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US-09-664-295 29

Sequence 25, Application US/09664295

Patent No. 642946

GENERAL INFORMATION:
APPLICANT Gao, Wei-Clang
TILE DE INVENTON Treatment of Balance Impairments
FILE REFRENCE GENERY.051C1
CURRENT APPLICATION NUMBER: US/09/664,295

CURRENT FILING DATE: 2000-39-18

PRIOR APPLICATION NUMBER: US 08/591,662

PRIOR APPLICATION NUMBER: US 08/591,662

PRIOR APPLICATION NUMBER: US 08/591,662

NUMBER OF ELING DATE: 1995:12-29

SEC ID NO. 29
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APPLICANT: Presta, Leonard G.
APPLICANT: Winslow, John W.
TITLE FOR : NVEWTICN: Pattropic Neutotrophic Pactors
NUMSER OF SEQUENTES: 22
APPLICANT: Gao, Wei-Olamo
TITLE OF INVENTION: Treatment of Balance Impairments
FILE REFRENCE: PO961
CURRENT APPLICATION NUMBER: US/08/561,662
CURRENT FILING DATE: 1995 12 29
NUMBER OF SEQ ID NUS: 36
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                p Sequency 3, Application US/08/9940288
p Patent No. 6503/28
p GENERAL INFORMATION:
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ADDRESSE: Generach, Inc.
STREET: John Way
CITY: South San Francisco
STATE: (allfernia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4; Conservative
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Matches 4; Conservative
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COMPUTER READABLE FORM:
MEDICM TYPE: 3.5 inc
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Bost Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             201130 1
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                                                                                                                                                                                                                                                                    SEQ ID NO 29
LENGTH: 10
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                                                                                                                                                                                                                                                                                                                                                                    TYPE: FRT
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US 08 794
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OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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Patent No. 582710
JENERAL INFORMATION
APPLICANT: Marsukawa, Hirokazu
ADRESSER: NIXWA: ANDRHYR P.C.
STREET: 1100 NO: 58277101h Glebe Rd. 8th floor
CITY: Arington
STATE: VA
                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 22; DB 3; Length 9;
Pred, No. 2.5e+05;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 7;
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COMPUTER: IRM FC COMPATIBLE
COMPUTER: IRM FC COMPATIBLE
COMPUTER: SYSTEM: PC FOSS/MS: DS
SOFTWARE: PATENTIA Release #1.0, Version #1.30
CUBRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/869.536
FILLING DATA: C5-JUN-1997
CLASSIST ATTIN: 438
FILLING DATA: MAR 1997
ATTINE FATE: 75-MAR 1996
ATTINE
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40.4%; Score 21; DB 2; Le Best Local Similarity 106.0%; Pred. No. 2.5e+05; Matches 4; Conservative 7; Mismatches 6;
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TELECOMMULICATION INFORMATION:
TELEPHONE: 703-816-4600
TELEFAX: 703-816-400
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
            CURRENT FILING DATE: 1998 03:13
                                                                                                                                                                                                                                                                                                                                                                                                                                    42.3%;
40.0%;
                                                                                                                                                                                                                                          ORGANISM: Artificial Sequence
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REGISTRATION NUMBER: 25,
                                                NUMBER DE SEQ ID NGS: 436
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 143
LENGTH: 9
                                                                                                                                                                                                                                                                                                                                                                                                                            Ouery Match
Best total Similarity 90.0
Matches 4: Conservative
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MOLECULE TYPE: peptide
US-08-869-504-9
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COMPUTER READABLE FORM:
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US-38-869 506:9
                                                                                                                                                                                                          TYPE: PRT
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Pest Local Similarity 80.0%; Pred No 1 Ne+60;
Mitthes 4; Conservative 0; Mitthes 1: Indels
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Marches 4; Conservative 0; Minatches 1, Libria
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CLASATEICATION: 435
PRIOR APPLICATION DATE: 08/253937
FILLING DATE: 03 JUN: 994
ATTOMNEY/AGENT INFORMATION: 09/40
ATTOMNEY/AGENT INFORMATION: 10/70
REPRENCE/FOCKET NUMBER: 36,700
REPRENCE/FOCKET NUMBER: 36,700
REPRENCE/FOCKET NUMBER: 36,700
FELEPRING: 66,0225-8634
INPERMATION FOR SEQ. 10 NO: 9: SECUENCE CHARACTERISTICS: 1ELEPRING: 66,0225-8634
INPERMATION FOR SEQ. 10 NO: 9: SECUENCE CHARACTERISTICS: 1ELEPRING: 61,0325-8634
INPERMATION FOR SEQ. 10 NO: 9: SECUENCE CHARACTERISTICS: 1ELEPRING: 61,0325-8634
INPERMATION FOR SEQ. 10 NO: 9: SECUENCE CHARACTERISTICS: 1ENGINE CHARACTERISTICS: 1ENGI
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PS 03 244 F44-143
PS 03 245 F44-143
PPFENT NO. 6174683
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TITLE OF INVENTION: Immunogenic Cancer Proteins and Peptides
TITLE OF INVENTION: and Method of Use
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, ADDRESSEE: P.C. STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400 CITY: ARLINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      40.4%; Score 21; DB 1; Length 9; 66.7%; Pred; No. 2.5e+05; 1ve 1; Mismatches 1; Indels
                                                                                                                                                                                                          CUNTRY: UNA

CIP: 22202
COMPUTER READABLE FORM:
MEDIJM TYPE: Righty disk
CMFUTER: IEM PC computable
CPETATING SYSTEM: PC DOS/MS-EGS
SCHTWARE: PATENTIN Release #1.0, Version #1.30
SCHTWARE: PATENTIN Release #1.0, Version #1.30
SCHTWARE: PATENTIN DATA:
APPLICATION NUMBER: US/08/615,181
FILING DATE: 04 APR-1996
CLASSIFICATION: 424
PRICK APPLICATION ADAT:
APPLICATION NUMBER: PCT/LP94/6175
FILING DATE: 19 GCT 1994
APPLICATION NUMBER: CP 261302/1993
FILING DATE: 19 GCT 1993
ATCANEY/AGENT INFORMATION:
NAME: GSLOW, NORMAN F.
REGISTRATION NUMBER: 24 6.8
REFERENCE/POORES NUMBER: 10-796-0 PCT
TELECOMMUNICATION : NEORMATION:
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STREET: 321 No. 5763164th Clark Street, Suite 800
STREE: 1.
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CLERATING SYSTEM: PC DOS/MS-DOS
SEFWARES: PURIOUS MS-EASE #1.0, Version #1.25
CUPPENT APPLITATION ACTA:
AFFOLIATION WINNERS: DS/08/191,338A
FILLS TATE: ANN 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CROANISM: HUMAN IMMUNOBEFICIENCY VIRUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ) Sequence (6) Application US/08191338A ) Patent No. SPA164 ) GENERAL (NPORMATION)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Floppy disk
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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Matches 4, Conservative
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MEDIUM TYPE: Floppy
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ZIP: 6063
                                                                                                                                                        STATE: V
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US-08-13.
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Patent No. 575666
SENERAL INCOMMETION: MASAFUM TAKISUCHI
APPLICANT: MASAFUM, TAKISUCHI
APPLICANT: MASAFUM, TAKISUCHI
APPLICANT: MASAFUM, TAKISUCHI
TITLE DE INVENTION: PEPTIDES CAFARIS US 11, TITLE DE INVENTION: PEPTIDES CAFARIS US 11, TITLE DE INVENTION: RESPONSE TO HIV AND ADDITUTE DE INVENTION: CURING ALDS
UNDRES OF SEQUENCES: 115
C'PRESPONDENCE ALDRESS:
                                                                                                                                             COMPITER: 18M PC compatible COMPITER: 18M PC compatible SERATING SYSTEM: PC.DCS/NS-DCA SOFTAME: Patentin Release #1 C, Version #1.40 CURRENT APPLICATIN DATA: Release #1 C, Version #1.40 CURRENT APPLICATIN DATA: PC.DCS/NS-DCA STELMS DATE: CLASSIFICATION: PRICE CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSED: NIXON & VANDERHYE F. STREED: 1100 No. 6057141th Glere Rd. 8th (Loor CITY: Atlangton
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Lest Local Stailarity 100.0%; Pred. No. 2.50-00
Marches 4; Conservative 0; Mismarches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/869,500
APPLICATION NUMBER: US 08/869,500
APPLICATION NUMBER: US 73797/1999
APPLICATION NUMBER: US 73797/1999
APPLICATION NUMBER: US 1379
APPLICATIO
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INFORMATION FOR SEQ ID NO: 9-
SEQUENCE CHARACTERISTICS:
LENGTH: 7 smito acids
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Quory Match
40.4%, Scott 21, 38 1, Lenith 9.
Best Local Similarity 57.1%, Pred. No. 2.5e+e+;
Matches 4, Conservative 2, Viewarches 1, 10.0-18
CLASSIFICATION: 436
ATTORNEY/AGENT INCOMMITTION:
NAME: NO. 553164 Phomas B
BEGISTRATION NUMBER: 32.88
REPRENCE/COKET NUMBER: 32.88
REPRENCE/COKET NUMBER: 32.88
REPRENCE/COKET NUMBER: 32.88
REPRENCE/COMMITTION INCOMMITTION:
TELEPRON: 312.754409
INFORMATION FOR SEQ. ID NO: 36.8
SEQUENTION FOR SEQ. ID NO: 36.8
SEQUENTION OF SEQ. ID NO: 36.8
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SEQUENCE TYPE: REPIT OF SECTION OF SEQ. ID NAME: X a.88
REATURE: NOR SEG. ID NO SEG. ID NAME: X a.88
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A:Residues: 1-11 <YAM>
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A;Status: preliminary
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  A;Residues:
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                      GenCore version 5.1.6
(c) 1993 - 2003 Compigen Ltd
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Gapop 10.0 , Gapext 0.5
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Perfect score:
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gonadotrupum-reheasing hormone III - sea lamprey
C;Species: Petromyzon marinus (sea lamprey)
C;Species: Petromyzon marinus (sea lamprey)
C;Accession: A49187
R;Sower, S;A.; Chiang, Y.C.; Lovas, S.; Conlon, J.M.
R;Sower, S;A.; Chiang, Y.C.; Lovas, S.; Conlon, J.M.
A;Title: Primary structure and biological activity of a third gonadotropin-releasing ho
A;Reference number: A49187; MUID:93178316; PMID:8440174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ig heavy chain (RDA rigion (clone 1:109A) - human (fragment)
C)Species: Homo saptens (man)
C)Date 1992 1994 #sequence_revision 30-Sep-1993 #text_change 16-Aug-1996
C)Date 1972273
R)Yamada, N.; Wasserman, R.; Reichard, B.A.; Shane, S.; Caton, A.J.; Rovera, G.
B. Xamada, N.; Wasserman, R.; Reichard, B.A.; Shane, S.; Caton, A.J.; Rovera, G.
A.Titcle: Preferential utilization of specific immunoglobulin heavy chain diversity and A,Reference number: F(0.222, MUD::9108337; PMID::899102
A,Reference number: F(0.222, MUD::91108337; PMID::899102
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A,Residues: 1-10 <SOM>
A,Experimental source: brain
A,Experimental source: brain
A,Note: sequence extracted from NCSI backbone (NCBIP:126381)
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37.5%; Pred. No. 1.6e+03;
live 1; Mismatches 4;
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CiKeywords: heterotetramer; immunoglobulin
   A809622
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Best Local Similarity 50.0
hea 3, Conservative
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Cypate: 31 Mar-1993 #sequence_revision 31-Mar-1993 #text_change 18-Mar-1997
Cyaccession: A6066
Kiloveloy, O.A.; Fischer, W.H.; Parker, D.B.; McRory, J.E.; Park, M.; Lance, V.; Swanso. Regul. Pept. 33, 152-16, 1991
Affitle: Primary structure of two forms of gonadotropin-releasing hormone from brains on A.Reference number: A6066, MUD:9132338; PMID:1882092
A.Molecule type: profess
A.Molecule type
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NAlernate names: gonddoliopin-releasing hormone II
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Regul, Perto B3, 105-115, 1991
Ajrile: Primary structure of two forms of gondoliropin-releasing hormone from hidins of
A,Reference number, A60066; MJID:91352339; PMID:1882082
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Nyllerinate names; gonadotropin-releasing hermone
C;Species: Hydrolayus colliel (spotted raifish)
C;Date; Zé Nay-1994 #sequence_revision Zé May-1994 #text_change 18 Mar-1907
C;Date; Zé Nay-1994 #sequence_revision Zé May-1994 #text_change 18 Mar-1907
C;Date; Zé Nay-1994 #sequence_revision Zé May-1994 #text_change 18 Mar-1907
R;Decency Andorinol, 82, 152-16, 1991
A;Title: Primary structure of gonadotropin-releasing hormone from the brain of a holoce
A;Referency number; A61126, MUD:91340067, PMID:1678723
A;Ressidues: [-10 cLOV-]
A;Residues: [-10 cLOV-]
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C, Superfamily, gonadoliberin
C, Keywords, arridated carboxyl end, brain; hormone; pyroglutamic acid
E, 17/Wodifink arre: pyricindone carboxylic acid (Gin) #status experimental
E, 10/Wodifink sire: amidited carboxyl end (Giy) #status experimental
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C)Keywords: umidated carboxyl emi, hommone: hypothalamus; pyroglutamuc
F;1/Modified site: pyrrolidone carboxyl:c acid (GIn) #status experiment
F;10/Modified site: amidated carboxyl end (Gly) #status experimental
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A)Molecule Type: protein
A)Residues: 1:10 <2005
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TISSUE-Brain;
MEDIINE-93178316; PubMed-8443174;
MEDIINE-93178316; PubMed-8443174;
Sower S.A., Chiang Y. C., Lovas S., Conlon J.M.;
Primary structure and biological activity of a third gonadotropin
releasing hormone from lamproy brain.";
Endocrinology 132-1125-113111993;
Finction: Stimulates the secretion of gonadotropins; it stimulates
the secretion of both luternizing and follicle-stimulating
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28-FER-2003 (Rel. 41, Last annotation update)
Gonadoliberin III (Gonadotropin-releasing hormone III) (GNRH-III)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Petromyzon marinus (Sea Jamprey).
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Hyperoartia;
Petromyzontifornes; Petromyzontidae; Petromyzon.
NCB: TaxID=775;;
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28-FEE 2003 (Rel. 41, Last annotation update)
Contryphan-Vn.
Contryphan-Vn.
Eukaryota ventrioosus Mediterranea. cone).
Eukaryota Mediterranea. cone).
Fukaryota Mediterranea. Sorbeoconcha; Hypsogastropoda;
Meddaritopoda; Caenogastropoda: Sorbeoconcha; Hypsogastropoda;
Neddaritopoda; Considea; Considea; Conus.
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P08945
P04277
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-1- SIMILARITY: Belongs to the GNRH family.
InterPror. PROSOCIES, GRRH.
PROM. PPOS464, GRRH. 1.
PROSITE: PSOC473, GNRH; 1.
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                                 11TO LITAU
NEUX HUMAN
AEGI, AGRAE
ARHX, LOCMI
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HTPI ROMNI
HTPI CARMO
TPIS NICPL
MLG THETS
HTF TENMO
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us-09-914-088-26.closed.rsp

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MEDITICE 96413669, FOLLYEGE8816823, MICHELS M.C., FISCHER W.H., FOWELL U.F.F., Reska Skinner S.M., Prakash M.C., Fischer W.H., FOWELL U.F., Craig A.G., Mackle G.O., Sherwood N.M., "Two new forms of genadotropin releasing hormone in a protochordate and the evolutionary implications.", Force Natl Acad. Sci. U.S.A. 93105461 16461 (1996).

From Natl Acad. Sci. U.S.A. 93105461 16461 (1996).

From Natl Acad. Sci. U.S.A. 93105461 (1996).
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Grachefeld 5., Powell J.F., Park M., Fischer W.H., Craig A.G., Crackfeld 5., Powell J.F., Park M., Fischer W.H., Craig A.G., Chang 5.P., Powell 5. Far Park M., Fischer W.H., Craig A.G., Chang 5.P., River J.E., Sherwood N.M., "Primary Structure and function of three gonadotropin-releasing hormones, including a novel form, from an ancient teleost, herring.", Endomines, including a novel form, from an ancient teleost, herring.", Finchiola 5.12(2000).

FINCTION: Strandates the secretion of genadotropins.

FINCTION: Strandates the secreted...

STREMARTY Relongs to the SNRH family.

Interirol IPREMARTY Relongs to the SNRH family.

Phan, PREMARTY RELONGED.
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OL NOV-1997 (Rel. 35, Last sequence update)
OL NOV-1997 (Rel. 41, Last amotation update)
Gonadoliberin I (Gonadorropin releasing hormone I) (GnRH-I)
(Lullberin I).
Chelycsoma productum.
Eukaryota, Metazoa; Chordata; Crochordata; Ascidiacea; Enterogona; Phlebobranolia; Corellidae; Chelyosoma.
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Eukaryota, Metazoa, Chotdata, Craniata, Vertebrata, Euteleostomi,
Actinopterygii: Neopterygii, Teleostel, Clupeomorpha, Clupeidae,
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16 CA LOTE FOR HELD SHE SEGMENTS Update:
28 FELL 2018 (PPL 41, Last annotation update)
Gondactification (Gondactropin:releasing hormone I) (GORH-I) (LR (Culibetin I))
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AMIDATION (BY SIMILARITY).
28483639DBSABSA3 CRC64;
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nes 2, Conservative
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NCBI TaxID=71177;
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                                                                                                                                           Luvelby D.A., Preced W.H., Parker D.R., McRory J. E., Fark N., Luvelby D.A., Preced W.H., Parker D.R., Sherwood N.M., Length S. Swallen P., River J.E., Sherwood N.M., France S. Swallen P., Sherwood N.M., France of two forms of over-formacing of two forms of the Archioth alliquity T.A. List. 1019-116 (1991).

F. Sherwood N. S. List. 1019-116 (1991).

SHECKLOUGH S. L.M. LOWER SHELD S
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Eskaryota, Metazoa, Chordata, Chanista, Verienaru, Esteleostumi,
Archosauria, Crocodylidae, Aligatitinus, Aligator
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AMIDATION.
803867632367686A (18064).
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197411 BYSAST,
(1987) 1991 (RPT, 17, Created)
01-PEH-1991 (RPT, 17, Last sequence update
19-PEH-1991 (RPT, 17, Last annotation update)
Genadoribetin I (Gonadotropin-releasing Morrone
(Updatesin II)
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50.0%; Pred. No. 1.34-05;
Ifive O; Mismatches 3;
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Pred, No. elderto.
1, Mismatthes
                                      SYNTHESIS, AND MASS SPECTROMETRY
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Gr
                                                                                                              MEDLINE 21947785; PubMed-11688995;
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DISTLETD
MOD NESS S S D-C
MOD NESS S S D-C
MOD NESS 9 9 AM.
SIQUENTE 9 AA: 1091 NW; 8030
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3, Conservative
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Archosauria, Crocod
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TISSUE Venom;
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TISSUE Brain;
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ID _ SCM1_CHEPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AND SECURATION OF PURMED-BRIGB23; Prakash M.S., Fischer W.H., Prakash M.S., Fischer W.H., Prakash M.S., Fischer W.H., Prakash M.S., Fischer W.H., Prakash M.S., Sherwood N.M., Park M., Rivier J.E., Craig A.G., Michiel G.F., Sherwood N.M., "Two law forms of generatophin-reluenting hormone in a protochardate and its evolutionary implications.") Proc. Natl. Anad. Sci. J.S.A. 93:10401-10464 (1995).

FINATION: Stimulates the secretion of generating and folliche-stimulating the secretion of both luteinians and folliche-stimulating.
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SSHCHLUCIAR LOCATION: Secreted.
1- TISSUE SECTFICITY: GNRH NEUGAS LIE WITHIN BLOG. CLASS.
1- TISSUE SECTFICITY: GNRH NEUGAS LIE WITHIN BLOG. CLASS.
1- THE GONDULTS AND GONADS IN BOTH JOVEN HEAD MODELL.
1- MASS SPECTFONETRY: MM 11.7, S.D. METHER MALLI.
1- SIMILARITY: Belongs to the GRBH family
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PROSTER: PSOAPTY: GNRH L.
PROSTER: PSOAPTY: GNRH L.
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Relyosota, productum.
Enkaryota, Merazoa, Chordata, Urediordata, Ascritucca, Eriero Ennar
Phiebobranchia: Corellidae, Chulyosoma.
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10 GONZ CHICK
2002 CHICK
AC PROBLEM PRITSO,
DT 0.1FEB 1991 (Rel. 17, Created)
DT 0.1FEB 2001 (Rel. 17, Last sequence update)
DT 0.28-FEB 2001 (Rel. 17, Last sequence update)
DE Gonadoliberin II (Gonadottopin releasing herrone II) (BEB):
DE GONAGOLIBERIN II) (Inliherin II)
OS Gallus gallus (Chicken),
                              300 e
PSCC473; GNBH: 1.
Amidation; Hypothalamus; Pyrrolidone carboxylic.
1 1 PYRRCLIDONE CARBOXILLG ACTD.
10 10 AMIDATION.
10 10 AMIDATION.
10 AMI 284B2CB7283TESA: CPC64;
                                                                                                                    Score 26, 18 1, length 10:
Pred. No. 6.84462;
1; Mismatches C. Lunds
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                                                                                                                                                                                                                                                                                                                 GONE CHEPR STANDARD; PPT; 10 AA
1D GONE CHEPR STANDARD; PPT; 10 AA
AC 0430578;
AC 01-NOV-1997 (Rel. 35, Created)
DT 01-NOV 1997 (Rel. 35, Jast sequence update)
DT 28 FEB-2003 (Rel. 41, Last annotation update)
CE Stradoliberin II (Gonadotropin-releasing hotmode ii
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66.7%; Pred. No. 8,80062.
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Matches 2, Conservative
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HSC Docal Similarity
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Alligator mississippionsis (Arerican alligator),
Squalus acanthias (Spiny dogfish),
Hydrolagus collie: (Spotted rattish) (Pacific ratfish), and
Clupea pallasii (Pacific herring)
Eukaryota: Mecacoa; Chordata; Cranata; Vertebrata; Euteleostomi;
Archosauria; Avos; Neognathae; Galliformes; Phasianidae; Phasianinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SPECTES=H.coll:el: TISSUS=Brain;
MEDINE=91340067; PubMed=1678723;
Lovojoy D.A., Sherwood N.M., Fischer W.H., Jackson B.C., Rivier J.E.
Lee T.;
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SPECIFICATION.

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A CATOLISER OF THE SECTION OF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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Jen. 19mp. Endocrinol. 92:152-161(1991).
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PIR; Harder, Harder.

Piratire of DRP3, GRRH.

Profit PF00446, GRRH.

PROSITE; PS00446, GRRH. 1.

PROSITE; PS00446, GRRH. 1.

Horrocce, Amidation, Hypothalamus; Pyrrolidone carboxylic acid.

Horrocce, Amidation, Hypothalamus; Pyrrolidone Carboxylic acid.

AMIDATION.

AMIDATION.
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Matsuo H.;
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Pred. No. 6.8e+02;
1; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                   Gallus.
NCBl TaxID=9031, 8494, 7797, 7873, 30724;
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MEDLINE-84222059, PibMed=6427779,
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66.7%;
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Rost Lucal Similarity 66.00.
Rost Lucal Similarity 66.00.
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TISSUE=Brain;
MEDLINE=92335300; Pubmed=1631133;
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Interito; IPR000974, Bombesin.
PMOSTE, PR0259; BOMBESIN, 1.
POMBESIN (BMI) A "Iddition, MOD REC.
10 AMI:
SEQUENCE 10 AA: 1094 MW; F81
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InterPro; IPR02012; GRH.
Pfam; PF00446; GRH; I.
PRCSITE; PS00473; GNRH; I.
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SPECIES = C.pallasii: TISSUE Brain, and Bithitaly:
WFOLINE-2014 File PubMed-1065042).
Gardisteld C. Perris D. S. Sherword N.M., Fischer W.B., Chang A.G.,
Chang J.P., Rivier C.E., Sherword N.M.,
"Primary structure and function of three greads opposite research
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"Primary Structure and function of three greats of the control of the structure of the secretion of another the print and are the secretion of both luternizing and felliche print attention
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Proc. Natl. Acad. Sci. U.S.A. 8511044-27941,984
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Cupea pallasii (Pacific Berring)
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Actinopierygii, Neopterygii, Teleostai, Eureleuste,
Protacanthopterygii, Salmoniformes, Salmonidae, Unichiguinus,
NCBI_TaxID=8018, 30724,
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MEDLINE-83195140/ PubMed=6341999/
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MEDINES-9115-977, FurbMed-1849-9413,
MEDINES-9115-977, FurbMed-1849-9413,
PRIVATE STRUCTURES of the bombesin-like neuropeptides in frog brain often the formers of the bombesin-like neuropeptides in frog brain often the amphibian gastrin-releasing peptides.",
Ricchin, Ricchina, Commun. 179-526-530-1991;
Schillick Linalink Linalink Bencheben Secreted
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Eukaryota, Metazoa, Chordara, Chaniata, Vertehrana, Eureleostomi,
Amphinia, Batrachia, Anura, Meobatrachia, Rancidea, Ranidae, Rana
NChillaxib-8406,
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                                                                                                                                                                                                                                                                                                                                     Hormone, Amidation, Hypothalamus, Pyrrolidone carboxylic acid.
MOD.RES 1 : PYRROLIDONE CARBCXYLLC ACID.
MOD.RES 16 :0 AMIDATION.
Lovejoy D.A., Fischer W.H., Ngamvongchon S., Craig A.G., Nahorniak C.S., Peter R.E., Rivier J.E., Sherwood N.M.; Ubstinct sequence of genadctiopin-releasing hormone (GRRH) dogish brain provides insight into GRRH evolution.", Proc. Natl. Acad. Sci. U.S.A. 89 6373-6377 (1992).

FINCTION: STEWILES THE SECRETION OF GONACCTROPINS. STRIEBLIJCHAR LOCATION. Secreted.

SIMILARITY: Belongs to the GRRH family.
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66.7%; Pred. No. 6.8e+02;
.ive 1; Mismatches 0; Indels
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FRIFRAER62CDC371 CRC64;
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01-NOV-1991 (Rel. 20, Created)
NOV-1991 (Rel. 20, Last sequence update)
28-FER 2001 (Rel. 41, Last annotation update)
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Mammalia, Eutheria, Primatos, Catarrhini, Hominidae, Homo.
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Bukaryota: Metarca, Arthropoda; Hexapoda; Insecta; Pterygota;
Nechiera: Endopterygota; Hymenoptera; Apocrita; Ichneumonoidea;
Braconidae; Micropaetrinae; Micropilitas.
                                                 Score 16; DB 1; Length ii;
Pred, No. 1.66+03;
Pred, No. 1.66+03;
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76CD719954536B44 CRC64;
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15-70::1999 (Rel. 38, Created)
15-70::1999 (Rel. 38, Last sequence update)
16-70::1999 (Rel. 36, Last annotation update)
MPZ proteim (Fragment)
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                                                                                         27.3%;
25.0%;
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11 AA: 1497 MW;
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Spermatophyta; Magnollophyta; eudinotyledonny materiala; is:
Arteridas; lamidas; Lamiales; Ordinashadasc; in Lamia, is: pholis;
Nogl Tax10-4179;
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Taylor G. a functional plastid thmy yes block or a functional plastid thmy yes block or a functional plastid thmy yes block or a functional Control Contro
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-! FUNCTION MAY CONTROL DIGESTION PROCESSES IN SENSIA-PANKS.
-! SIMILARITY: BEDONGS TO THE GASTRIN/CHOLECUST KINIH FAMILY,
PIR, 547432, S47432.
                        01-MAP(1992 (Rel. 21, Created)
01-MAR 1992 (Rel. 21, Last sequence update)
01-MAR 1992 (Rel. 21, Last annotate con update)
01-MAR 1992 (Rel. 21, Last annotate con update)
0481 transcholenstyck (Morway lebster)
Nephrops norvegicus (Morway lebster)
Nephrops norvegicus (Morway lebster)
Eukaryota, Metacoa Arthropodas Cristacus, Maiscostiscas
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CLEMOV.996. Rel. 32. Created:
CLEMOV.1995 Rel. 41. Last annotation update:
The OQ() Rel. 41. Last annotation update:
The Noomal protein RE (Fragment
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HAMAP, MF 0029; -; ...
PROCETER OF 1 PRON1965, Ribosomal S2
PROSTIE; PS00962, RIBOSOMAL S2 :: MRITAL
PROSTIE; PS00962, RIBOSOMAL S2 :: MRITAL
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Part Local Scribbarty Scribt Pred No. 2.24-01;

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DT 28 FEB 2003 Feb 14; Cast sequence update.

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Q8549 chamaeleo j
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MEDUINE=55133174; PubMed=7811795;
Cho X., Ferrick D.A., Morris D.W.;
"Structure and biological activity of the subgenomic Mrv-6 endogenous
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Eumal-hostraca, Burarida, Decapoda, Fleocyemata, Anomura, Lomoidea,
Lomidan, Limis.
NCBL, FaxIC-177234.
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Viruses, Refroid viruses, Retroviridae, Betaletrovirus.
NCBI_TaxID:11757,
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01-WAR-2002 (TrEMBirel. 20, Created)
01-WAR-2002 (TrEMBirel. 20, Last sequence update)
01-WAR-2002 (TrEMBirel. 20, Last annotation update)
Cytochrome oxidase subunit 1 (Fragment).
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                                                                                                                                                                                                                 Q83410, PRELIMINARY, PRT, 11 AA. Q83410, C083410, CTEMBLEE, 01, CTEALOG! CTEMBLEE, 01, Last sequence update) 01.07W 1996 (TTEMBLEE, 01, Last sequence update) 01.07W 2002 (TEMBLEE, 11, Last annotation update) Superantigen (Fragrent).
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EMBL: L37518; AAA65563.1;
InterPro: IPROC1213; MMTV_SAG:
Pfam: PF01054; MMTV_SAG: I
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Best Local Similarity 75.54
Enc. 3: Conservative
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090735 PREDIXINARY; PRT; il AA.
010737 PREDIXEL CL. Creditals
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Lepidosauria, Squamata, Iguamia, Adiodonta, Agamitani Aminikoluminae, 
Chenopiotus,
NOBI TaxID=180905,
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Melvile d., Schulte d.A. ii Lutsen A.,
Melvile d., Schulte d.A. ii Lutsen A.,
Melvile d., Schulte d.A. ii Lutsen A.,
Meschalan lizard genetic Study of Mological firescription in the
Meschalan lizard gene Cencphorus ";
Meschalan lizard gene Cencphorus ";
Meschalan AR1763, A8278791.; -.
Meschalan AR1763, A8278791.; -.
Meschalan Meschalan AR1354 Meschile GROWER;
Meschalan AR1354 Meschile GROWER;
Meschalan AR1354 Meschile GROWER;
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May L.B., Hists A.C., Lai E.C., Marce M.Dr., Wos b.D.

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Leta-globin gene."

Leta-globin gene."

EMPL. V00318; CAR2367.1: ...

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31.8%; Scott 21; TH 13; Dentroller, Local Statistics 40.0%; Pred. No. Settler
Matches 2; Conservative 2; Mistatobos 1; Indelt
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50.0%; Pred, No. 3e+03;
atlive 1; Minimal Chen 2, 11.003s
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NCHI TaxID 9031;
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Bukatyuti, Metazoa, Chordata; Cramiata; Vertebrata; Buteleostomi;
Depidiestria, Squamita; Solvioglossa; Anguimorpha; Varanidae; Varanus.
McMillaxID:62641;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Evidence for insufficient chondrocytic differentiation during repair of full-fifthkess defects of articular cartilage.";
Martha Biol. 15:39.47(1996).
EMBU; 883371; AAD14433.1.
                                                                                                                                                                                                                                                                 01-301-1997 (TrEMELLE), 04, Created)
01-301-1997 (TrEMELLE), 04, Last sequence update)
01-201 (TrEMELLE), 04, Last sequence update)
01-501 (TrEMELLE), 19, Last annotation update)
Pro alpha 1 type 111 collagen protein (Fragment)
Orygtolagus cuniculus (Rabbit),
Orygtolagus cuniculus (Rabbit)
Marmalia; Butheria; Cordata, Craniata, Vertebrata, Euteleosicmi)
Marmalia; Butheria; Luggmorpha; Leporidae, Cryctolagus,
NCH: Taxio, 9986.
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MEDLINES96377339; PubMed=8783186;
Metcaranta M., Kujala U.M., Pelliniem: L., Osterman H., Aho H.,
Vuorio E.;
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01-DEC12001 (TYEMBLINE): 19, Last Sequence update)
01-DEC12001 (TYEMBLINE): 19, Last Annotation update)
CYCOCLIOME C OXIGASE Subunit I (Fragment).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Mitochondrial gene rearrangements support a hypothesis of parallel evolution to the crab-like form.", solution to the crab-like form.", submitted (OCT-2001) to the EMBL/GenHank/EDBJ databases.
EMBL, AF446024; AAL31599.1; -... Mitochondrion.
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Bacteria: Brotesbacteria: Epsilorpe teobacteria: Neryl criteriales:
Helicobacteriareae, Helicobacter.
KCE: TaxIII-2000.
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Euralacostrada, Eucarida, Decapoda, Pleocyemana, Astachan,
Astacondea, Cambaridae, Frocambarus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SECUENCE FROM N.A.
Morrison C.L., Barvey A.M., Lavery S., Tieu K., Hudily Y.,
Cunningham C.W.,
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61-MAR_2002 (TrEMBLrel. 20, Last sequence update)
61-MAR_2002 (TrEMBLrel. 20, Last accotation update)
61-MAR_2002 (TrEMBLrel. 20, Last accotation update)
Procedering oridase schunct 1 (Fragment).
Procedering clarkii (Red Swamp craylish).
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9 AA; 1185 MW; 936HP93733646321 CMCr4;
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Best Goost Samilarity 75.00
Matches 3, Conservative
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                                                                                                          PRELIMINARY;
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Sowden J., Smith E., Morrison K., Edwards Y.,
"Sequence comparisons and functional studies of the proximal promoter
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of the carbonic anhydrase 3 (CA3) gene.",
EMBL, AUGGE474, CAA07057.1,
MAIN AUGGE474, CAA07057.1,
MAIN HERBROY, CARL
MAIN HER TO AN TICS MAY, SEPPETIADGAUBI3 CRC64,
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MEDLINE-21184280, PubMed-12286498,
MEDLINE-21184280, PubMed-12286498,
Macey Jan. Strashing J.L., Brisson J.A., Vredenburg V.T.,
Jennings M., Larson A.,
"Wole-ular Phylogenerics of Western North American Frogs of the Rana boyl., Species Grupp 7,
Mol. Hylogener, Evol. 19131 143(2011),
EMMI. AFS14026, AAKS6898.1; -, 10
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                                                                                                     Mitochondrion.
Sukaryota, Metazca, Chordata, Craniata, Vortebrata, Euteleostomi.
Amphibia, Batrachia, Anura, Neobatrachia, Ranoidea, Ranidae, Rana.
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Mammalia, Eutherna, Rodentia, Schurognathi, Muridae, Murinae, Mus
NCBI TaxID=10090;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cuery March 25.9%; Score 19; DB 8; Length 10; Best Local Similarity 100.0%; Pred. No. 6.1e+01; Marches 2; Conservative 0; Mismatches 0; Indels
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CAR3 (FARS OR CA3, Missel)
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Best Docul Similarity 37.5
Matches 37 Conservative
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(5)
                                                                    Rana muscosa
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Bikanyukan Metazoa, Chordata, Chambut ni Vertebbath, suformustum,
Lebidosumian Squamata, Soletoglesti, Abquirutpusi Vituo tan, Varanosi
Nebi_TaxIDaxi69928;
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D. CON LOSS (TERMSLEE). 21, Last sequence of bread of the Control of the Co
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"Mitochondria, DNA evidence and evilution in Videos pro-
Cladustius 12:0-6(2001).
EMML AF472599 AAI10063.1;
Mitochondrion.
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Best Local Similarity 100.0%; Proc No Alleria
Matches is Consolvative of Michael need
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SEQUENCE IC AA, 1327 XM, 5E.:-
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The present investion describes a peptide (I) comprising an isolated surface exposed group/epitope (BI) of C-epsilon-2 domain (b) of memory. Obtain (b) of the present of the present allowed by the present of the producing (IV) of the present of the present of the producing (IV) of the present of the prese
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Bassols YC;
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ive 0; Mismatches 0; Indels
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(SMIK ) SMITHKLINE BEECHAM BIOLOGICALS. (PRPIL) PEPTIDE THERAPEUTICS LID.
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WG, Van Me
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- 8509, 250008-0004696.
- 2009, 250038-0020707.
- 200, 260038-0920708.
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                                                                                                                                                                      Example 4; Page 21; 48pp; English
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The present invention relates to a composition comprising allergy peptides are derived by an inert carrier. The allergy peptides are derived from immunoglobulin E (19E) or 19E receptor. The present peptide is one such peptide from 19E. The composition is useful as a vaccine or for manufacturing a medicament for the prophylaxis or treatment of allergy. In particular, for boosting an anti-allergy immune response in an individual susceptible to an allergic response.
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AAB20863 standard, peptide, 10
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99GB-0004408.
99GB-0004412.
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The present invention describes a popilde [I] comprising an isolated sufficient exposed group/epilope [BI] of C-epsilon-2 domain [D] of immunicabilin B [1987, or its minitope. Also described area [1] and immunicabilin B [1987, or its minitope. Also described area [1] of immunication [II] [50] treating allergy comprising [II], [2] a vaccine [II] of treating allergy comprising [II], [3] a vaccine [III] of treating allergy comprising [II], [3] a vaccine [III] of the present of the properties [IV] capable of the properties [IV] capable of the producing [IV], [4] and the producing [IV] of the present [IV] of the producing [IV] of the present producing [IV] of the present producing and patient susceptible to or suffering from allergies [IV] is also useful in diagnosing atopy. AAB25307 to AAB26399 represent producing [IV] is also useful in the exemplification of the present
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             igs C-spsilon-2 domain surface exposed epitope peptide P3 SEQ ID NO.
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                                       Epitope, mimotope, human, immunoglobulin E, IgE, C-epsilon-2 domain, allergic disease, immunoprophylaxis, immunotherapy, antiallergic, immunosuppressive, vaccine, histamine release inhibitor, immunogen,
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Van Mechelen MP. Vinals De Bassols YC:
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                                                                                                                                                                                                                                                                                                                                                                                                                              BIOLOGICALS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Greenwood J.
                                                                                                                                                                                                                                                                                                                                                                                                                            (SMIK ) SMITHKUINE BEECHAM BIOLO (PEPT ) PEPTIDS THERAPEUTICS LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 4; Page 5: 129pp; English.
                                                                                                                                                                                                                                                 9908 (000406)
9908-0007151
9908-0010537
9908-0010538
9908-0018694
9908-0018603
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99GB-0021347
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                                                                                                                                                                                                                    2007W0 EP01455
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ses 10, Conscrative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1000-972073751.
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                                                                                                                                                       WC200-50460-A:
                                                                                         allergy; atopy
                                                                                                                                                                                                                                                 25 - FEB - 1999
29 MAR - 1999
07 MAY - 1999
07 - MAC - 1999
07 - ACC - 1999
07 - SEE - 1999
29 - CCT - 1979
29 - CCT - 1979
                                                                                                                         Homo saprens.
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PEST

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AAB259.9 Standard; Peptijde; 10 AA

SAN LIGH CITIST entry:

AAE.59000

us-09-914-088-26.clos d.rag

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Vaccine, immunoglobulin E, igE, anti-allergy
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(PERITH) REPTIDE THERAPEUTICS LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABUSSIS standard, Peptide, 10 Ab
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                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 5; Page 20; 26pp; English
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                                                                                                                                                                                   2000W0-EP05164
                                                                                                                                                                                                                    39GB-0013327
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es 10, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10 AB;
                                                                                                                  WC200074716-A2
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                                                                                                                                                                                                                   08 JUN-1999;
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                 19E peptide
                                                                                                                                                   14-DEC-2000
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ABJ00219
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention relates to inkage rethindeledy for use in the conjugation of compounds (e.g. peptides) to carrier vehicles (e.g. parconolecties, polymers, dendrimers, proteins to produce biological and immunolecties, polymers, dendrimers, proteins to produce biological and immunolectical constitutions. The authority of use in a partial composition or a variable for a protein for use in a partial composition or a variable. The inventor consistence in a partial composition or a variable. The foreign control of conjugate derived from or immorphisms of the invention are useful in the minimal confidence compositions of the invention are useful in the minimal confidence in a protein so as to form an immunoration in the minimal or invention allows for controlled conjugation in the protein so as to form an immunoration in the minimal or in the minimal or a protein so as to form an immunoration.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     an immunogenic conjugate useful irretment of IdS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                               Human, linkage technology: conjugated compound, cutilet vehicle; epitope; Cepsilon2; Cepsilon3; Cepsilon4; immunoglotulin E; 198 mediated disease; antibody response
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Letter 5 16,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           s: 1.1.
                                                                                                                  Peptide P3 derived from Cepsilonz region of burnan 198.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          the Cepsilon2/Cepsilon3/Cepsilon4 : Maish Mit Burner 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    profess so as to form an immunoscient state and an immunoscient apported two antibody response in an infinite AAU16632 AAU16913 represent peptides arrived from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      86.4%; Score 57; tP .D.
100.0%; Pred. No. 0.6759;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                    (ACAM+) ACAMBIS RES LTD.
(SMIK-) SMITHKLINE BEECHAM BIOLOGICALS.
               AAU16634 standard, Peptide, 10 AA
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22-PBB-2000; 2000GB-0004096.
22-AUG-2000; 200CGB-0020707.
22-AUG-2000; 200CGB-0020708.
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                                                                               (first entry)
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Best Local Similarity 100.
Matches 10, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linkage comprising
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      mediated diseases
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                                                                                                                                                                                                                                                  WC200145745-A2.
                                                                             C7 NOV 2001
                                                                                                                                                                                                                    Homo sapiets
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AAU16634
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Immunogen, hunan, 19E, immunoglobulin E, allergy, thio-ether linkage.
Vaccine, antiallergic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
New vactine comprising allergy peptides linked by an inert carrier, useful for boosting an anti-allergy immune response in an individual susceptible to an allergic response.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human 198 immunogenic peptide SEQ ID NC: 3.
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The present invention relates to chiggates suitable to take in vaccines, where the complete comprises a dissulphide ortidae cyclist justified and an immunopoinc carrier. The vaccines in the used in the transmission and allergates. The present sequence is a perfect to the control from immunopiles. The present sequence is a perfect of the control of the immunopiles of the cyclists and used in the invention.
                                                          Conjugate for use in vacaine for freatment of allowy, compiled disulfide oridge cyclized peptide and immosperio carrier
                                                                                                                                                                                                                                                                                                                           cery Matin 86.4%; Scott 57, DB Lt. 1-0.05. 285 Local Starlarity 100.0%; Pred. No. 2.0359; stokes 10; Conservative C; Mismanches C; Indels
                                                                                                                      Claim 4; Page 9; 45pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOXHWLSDRT 10
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                   WFI: 2002-489648/52
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0*-JAN-1994;
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AAY42608
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Gaps

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The invention provides immunoglophilin E-146, and district compilising one or more of the FrepsilonRI receptor thinding determinant stress of human torplate and binding determinant stress is the sequence shown in AAY42581. The Tidds is provided the sequence shown in AAY42581. The Tidds will be provided the the sequences shown in AAY42581. The Tidds will be sequenced to be not no polarized determinant sequences shown in AAY42582. The variances are selected from the sequences are secured from the sequences are selected from the sequences are secured from the sequences are secured from the sequences and the AAY42582 the variances are secured from the transfer and transfer and tran
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                                                                                                                                                                                                                                                                                      Immunoalobulin E, IgE, antagonist, Feepsilans'i receptor, acras, eds, receptor binding, binding determinant sequence, ann. LaE annibody,
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AAY42608 standard; peptide, 8 AA
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9405-0178983
                                                                                                                                                   tirst entry)
                                                                                                                                                                                                                   Human 198 peptide fragment
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                                                                                                                                                                                                                                                                                                                                receptor binding;
allergio disease.
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                                                                                                                                                                                                                                                                                                                                                                                                              Immunoglobulin E, 19E, anti-human 19E, bispecific antibody, FCEL, FCEH, low affinity binding receptor, high affinity binding receptor, allergy, diagnosis, truatment, histamine release, heavy chain, prevent.
                                                                                                         Saps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New bispecific antibodies, useful for treating immunoglobulin
E mediated disease, binds to IgE, but only when on the low affinity
inceptor, and to an antigen other than IgE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             prevention of allergy and other IgE-mediated diseases, also, when impobilished, for the isolation of FCEL from cells (for research or therapy). The bispecific antibodies of the invention do not cause granulation or release of histamine from mast cells.
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                                                                                                         Indeis
                                                                                                                                                                                                                                                                                                                                                                              Human 195 mutant #15 fragment amino acid sequence.
                                                                   DB 20; Le
9.3e+05;
thes 0;
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100.0%; Pred. No. 9.3e+05;
                                                                   Query March 72.7%; Score 48; DB Best Local Similarity 100.0%; Pred. No. 9.3 Marches 8; Conservative 0; Mismatches
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92WO-US06860.
94US-0185899.
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Best Louis Similarity
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                                   8 AA;
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                                                                                                                                                                                                                                                                                                                                          29 JUN 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              06-JUN 1995;
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26-JAN-1994;
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                                   Seguence
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AAY95217
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Cai Z, Jackson MR,
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                                                                                                                                                                                                                                                                                                                                                                                                                         WC200292773-A2
                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens.
                                                                                                                                               28 - MAY 2003
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                                                                                                     AAE35074;
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                      RESULT 14
                                         AAE35074
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                                       3 CKHWISER 10
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Matches 6; Conserv
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14 AUG-1992;
26 JAN-1994;
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                                                                                                                                                                                                                                                                                                                     Optotickic Tlymphocyte; CTL; tumout; antigen presenting cell; allergy; cupus; autoimmune disease; rheumatoid arthritis; autoimmune nephritis; psoriasis; APC; multiple sclerosis; autoimmune thyroiditis; hay fever; inflammatory Dowel disease; insulin dependent diabetes; cell therapy; crohn's disease; allergic thintis; graft versus host disease; asthmattransplant rejection; human; immunoglobulin E; 1gE.
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AAE35074 standard; peptide;
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The present invention describes a method (M) to their sping peptides to be a second of the second of their sping second of the second of their sping second of their second of
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72.7%; Score 48; DB 9; De
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Matches 5; Conservative 0; Mismatches 0;

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US-09-791-378-455 US-09-851-138-193 US-10-08-768-112 US-10-08-768-112 US-10-08-768-63 US-10-08-768-63 US-10-08-768-63 US-10-08-768-68 US-10-08-768-68 US-10-08-768-68 US-10-08-768-122 US-10-19-768-128 US-10-19-768-138 US-10-19-768-138 US-10-19-768-138 US-10-19-768-138 US-10-19-768-138	US-09-960-779-78 US-10-22-986 US-10-22-986-10 US-10-22-986-457 US-10-286-457 US-10-144-188-53 US-09-423-863-7 US-09-423-863-8 US-09-423-863-8 US-09-423-863-8 US-09-423-863-8 US-10-083-768-12C US-10-083-768-12C US-10-083-768-12C US-10-083-929-142 US-10-353-929-154 US-10-20C-708-263	ing Allergic Di 62,077 7,619 7,899 06,650 7,495
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GENERAL INFORMATION:
APPLICANT: Jardieu, Paula M.
APPLICANT: Pressa, Leonard G.
TITE OF INVENTION: Method of Preventing the Caset of Allergic Disorders (as amende Fill Estrenord: 2011-2016)
FILE SEPRENCE: 2011-2016
PRICE APPLICATION NUMBER: US 28/405,617
PRICE APPLICATION NUMBER: DCT/US92/0660
PRICE APPLICATION NUMBER: PCT/US92/0660
PRICE FILING DATE: 1994 61.26
PRICE FILING DATE: 1994 61.26
PRICE FILING DATE: 1992-08-14
PRICE APPLICATION NUMBER: US 07/74,768
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Rest Lota: Similarity 100.0%; Pred. No. 5.8e+05;
Matches 8; Conservative 1; Mismatches 0; Indels
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US 09-925 179-24
I Sequence 44, Application US/0892517)
Publication Wou US200.094485841
GENERAL INFORMATION
APPLICANT Caridieu, Facilia M.
APPLICANT Caridieu, Facilia M.
APPLICANT Caridieu, Facilia M.
APPLICANT Caridieu, Facilia M.
APPLICANT CARIOLONI Anti-1gE Antibodies (as amended)
ITIZE CF INVENTIONI NAMBER: US 08/466,149
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PRICE APPLICATION NAMBER: US 07/879,495
PRICE APPLICATION NAMBER: US 07/879,495
PRICE APPLICATION NAMBER: US 07/744,768
US 09-802 096-57
; Sequence 57, Application US/09802036
; Patent No. US2001003883941
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PROFILE Local Similarity 100,0%; Pred No. 5 No
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72.7%; Score 49; L8

Bost Local Similarity 105.0%; Pred 10, 5.4

Matches 4; Conscivative 0; Mismatches
Sequence 57, Application US/09802077
Parent No. USICO1003/842A1
GENERAL INFORMATION:
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parent No. USLCO10038839A1
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US 09 802-077 57
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URENTO No. US/2001.0124.188-52

Sequence 52. Application US/10:44188

Sequence 52. Application US/10:44188

Sequence 52. Application US/10:4188

Sequence 52. Application No. US2000.0170212A;

GENERAL INFORMATION: Park No. No. US2000.0170212A;

APPLICANT: Cackson, No. OPT. No. US2001.0170212A; Tumor Antigens To Treat Autonomure And APPLICANT: PRIOR NO. US2001.0212A; Tumor Antigens To Treat Autonomure And APPLICANT APPLICANTON NOMBER: US/10/144,188

CURRENT FILING DATE: 2002.05.13

PRIOR PRIOR FILING DATE: 2001.05.13

PRIOR FILING DATE: 2001.05.15

NUMBER OF SEQ IO NOS: 60

SOFTWARE: Patentin version 3.2
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Publication No. US2003673142A1

| Publication No. US2003673142A1
| Publication No. US2003673142A1
| Publication No. US2003673142A1
| Publication No. US2003673142A1
| APPLICAMT: Vang, Yong-Min | APPLICAMT: Vang, Yong-Min | APPLICAMT: Vang, Yong-Min | APPLICAMT: Chen, Zhong | TITLE CF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF | TITLE CF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF | TITLE CF INVENTION: IMMUNOGLOBULIN E VACCINES AND METHODS OF USE THEREOF | TITLE CF INVENTION: UNDER: 60/312.120 | PRIOR FILLING DATE: 2001-08-13 | NUMBER OF SEQ ID NOS: 61 | NUMBER OF SEQ ID NOS: 61 | VACCINES AND METHOD NOS: 61 | VACCINES AND METHODS OF USE THEREOF | VACCINES AND METHODS OF USE | VACCINES AND METHODS O
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US-10-144-198-52
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ORGANISM: Buman (Homo sapiens:
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ORGANISM: Artificial Sequence
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LENGTH: 9
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US-10-034
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Matches 8; Conservative 0; Mishatches 0; Infels
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                                                                                                                             SEQUENCE 57 Application US/09925173
FALLEGALION NO. US200303448581
FARLICALION NO. US200303448581
FARLICALION NO. US200303448581
APPLICANT: Dereate in Paula M.
APPLICANT: Presta, Leonard G.
TITLE REFERENCE: POIT9P2CIDICUS
CURRENT FULLOS DATE: 2001-08-08
FRICE AILLICATION NUMBER: US 08/46.16)
FRICE AILLICATION NUMBER: US 08/46.16)
FRICE AILLION DATE: 1995-03-15
FRICE APPLICATION NUMBER: US 08/185.899
PRICE APPLICATION NUMBER: US 07/879,495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17. Application US/10214524
Sequence 17. Application US/10214524
Fibilication No. US26033073142A1
Fibilication No. US26033073142A1
FIBILICATI Chen, Swey-Shen Alex
APPLICATI Chen, Swey-Shen Alex
APPLICATI Chen, Swey-Shen Alex
APPLICATI Chen, Mong-Min
FILE CF INVENTION: INCONDUCEDILIN B. ACTION, COURTENT SPECIOL DELICATION NUMBER 135/10/114,544
CURRENT APILICATION NUMBER 135/10/114,544
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PRICE FILING DATE: 2001-08 13
NUMBER OF SEQ 10 NOS: 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Human (Homo saptens)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Home sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 CKHWISCP 10
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1 OKSWISDR 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE
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   3.
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                                                                                                                                               Score 29; CB 12; Length 10; Pred. No. 2.4e+52; S. Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 43.9%; Score 29; DB 8; Le 42.9%; Pred. No. 2.6e+02; attive 4; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 94080
COMPUTER READABLE FORM.
MEDIUM TYPE: 5.25 No., 360 Kb floppy disk COMPUTER: 18M PC compatible CPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: patin (Genenteon) CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,842 FIGURE DATE:
                                                                                                                                                                                                                                                                                                                                                                            Sequence 45, Application US/08450842
| Publication No. US2002004556A1
| GADERAL INFORMATION: APPLICANT: GENENTECH, INC. APPLICANT: ROSENTIAL, ARNON TITLE OF INVENTION: NOVEL NEURCIRCHIC FACTOR NUMBER OF SEQUENCES: 160
| CORRESPONDENCE ADDRESS:
                    STRANDEDMESS: «Unknown»

TCPOLOGY: linear

MCLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 118:
US-10 083-768-118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: 460 Point San Brunc Blvd CITY: South San Francisco STATE: California CONTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       36,700
R: 666P2C1D3
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PROR APPLICATION DATA
PRIOR APPLICATION NUMBER: 08/406419
FILING DATE: 19/APR-1995
PRIOR DATE: 19/APR-1995
PRIOR DATE: 19/APR-1995
PRIOR DATE: 20/ARR-1993
PRIOR DATE: 20/ARR-1993
PRIOR DATE: 20/ARR-1993
PRIOR DATE: 30/ARR-1993
PRIOR DATE: 1991
PRIOR DATE: 1991
ATCONEY AGENT INFORMATION:
NAME: TOTCHIA, TIMOTHY E
REGISTRATION NUMBER: 36/700
REPERENCE/OCCERT NUMBER: 666P201
TELECOMYNICATION INDORMATION:
                                                                                                                                                 Query Maich
Best Local Similarity 44.4%;
Marches 4: Conservative 1
      TYPE: amino acid
                                                                                                                                                                                       4; Conservative
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TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                 1 CSOMMUSE 9
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Best Local Similarity
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US 08-450-842-45
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                                   APPLICANT: DYAX COPP.
APPLICANT: DYAX COPP.
APPLICANT: BAILZEL James P.
APPLICANT: Wescort, Charles R.
APPLICANT: Sato, Aaron K.
TITLE OF INVENTION: FIBRIN BINDING MOLETLES ISSETUL AS INA HIS ABNUS
FILE SEFFERMENTED DYA OLS. 1 US.
TITRED APPLICATION NUMBER: US.10/vi4.974
THERENT APPLICATION NUMBER: US.001-12 21
THERENT FILING DATE: 2001-12 21
WENCH FILING DATE: 2000-12-23
WICKE FILING DATE: 2000-12-23
WICKE FILING DATE: 2000-12-23
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CURRENT APPLICATION DATA:
APPLICATION NUMBER US/10.148,70.4
FILLING DATE: 27.Feb-261.
ACTIONESY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION, PRETIDES AND COMPENSATION TRADMECOLOGICAL PROPERTY.
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
CPBRATING SYSTEM: PC-DOSSMS-FRS
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Waystrom, Christophur R
Wrighton, Nicholas
                                                                                                                                                                                                                                                                                                                                                                                                  . OTHER INFORMATION: fibrin binding loop
US 10 034-904-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ANDRESS:
AUGUSTONE GLAXO Wellcom-
STREET Five Mouse Crive, 5.
CITY: Research Triangle For
STATE: No.
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REGISTRATION NIMBER: 36, 442
REFERENCE/DOCKET NUMBER: IK
TSLACOMMUNICATION INFORMATION
TELEPHONE: 919-248-1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18-16 063-764-118
Sequence 118, Application US/10087764
Publication No. US20030159116A1
OENERGY, INDREMATION:
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SECUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
Publication No. US20030143158A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                          SOFTWARE: Patentin version 3.1
SEQ 10 No 31
                                                                                                                                                                                                                                                                                                                                        TYPE: PFT
ORGANISM: Artificial Sequence
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Rest Local Similarity 57.1.
4: Conservative
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Query Match
Best Local Similarity
4) Conserve
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Best Local Similarity
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APPLICANT: Ley, Arthur C.
APPLICANT: Ley, Arthur C.
APPLICANT: Loy, Arthur C.
APPLICANT: Londeau, Christopher J.
APPLICANT: Londeau, Christopher J.
APPLICANT: Londeau, Remert C.
TITLE OF INVENTION: NOVEL ENTERORINASE FIRSANSE SALVERT C.
CHRENT FILLIAD DATE: 2001 66-19
REIGA APPLICATION NUMBER: US 09/597, DZ
PRICE FILSAND DATE: 2000 66-19
PRICE FILSAND NOS: 217
SUFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: synthetic entercaphase chavade se padde
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     42.4%; Scote .8; 18:10;
60.0%; Pred. No. 5.80.05;
valive .; Mismatches .;
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PRINTICATION NUMBER 1877 41.7.
FILING DATE: 27.FEB-217.
ATT: BMRY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
CMPUTER: IRM PC compatition
OPERATING SYSTEM: PC.DOS Novil of
SOFTWARRE: Patentin Release #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 10.1 Application US/10083704 Publication No. US20030158116A1 GENERAL INFORMATION DOWN: Dower, William U. Parrett, Rohald W. Parrett, Rohald W. Parrett, Rohald W. Parrett, Rohald W. Cwilla, Steven E. Duffin, Christon, Garden, Christon, Garden, Christon, Garden, Shorth J. Barrett, Steven E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: Eive Moore Drive, E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Research Triangle First STATE: NO
                                                                                                                         . Sequence 143, Application US/19884767A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 232
CORRESCIONDENCE ADDRESS:
ACDRESSER: Glaxo Wellcome
                                                                                                                                        Publication No. US20020192783A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CRSANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CHUNTAY: USA
ZIP: 27409
COMIUTER READABLE FORM:
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Best Local Similarity 85.55
Fest Local Gimilarity
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RRHWVSE 7
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                                                                                                  JS-09-884 2678-143
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US 10-083 768-103
                                                                                                                                                                                                                                                                                                                                                                                                                         SEC ID NO 143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH
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) OTHER INFORMATIONS SILLIFICIAL Sequence isolated from random peptide libraries, based OTHES INFORMATIONS Splitty to selectively bind to endothelial cells US-10-266 487-40
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TILLE OF INVENTION: ENCOTHELIAL-CELL BINDING PEPTIDES FOR DIAGNOSIS AND THERAPY
TILLE OF INVENTION: ENCOTHELIAL-CELL BINDING PEPTIDES FOR DIAGNOSIS AND THERAPY
CUBRENT APPLICATION NUMBER: 108/10/286,457
CUBRENT APPLICATION NUMBER: 60/734822
PRIOR PRIOR PRIOR NUMBER: 60/734822
PRIOR PRIOR DATE: 2601-11 01
NUMBER GE SEQ ID NOS: 684
SOFTWARE: PATENTIN VHISTON 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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66.3%; Pred, No. 5.80+05;
Niswe 7; Mismatches 2; Indels
                            PK3065USW
                                                                                                                                                                                                                             TOPOLOGY: linear

MCLROUDE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 103:
US 10 083:788:103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Search completed: November 5, 2003, 18:49:02 Job time (1,) swos
REGISTRATION NUMBER: 36,392
                      REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-286-457 40
T Sequence 45. Application US/10286457
Publication No. US2003016603441
GENERAL INFORMATION
                                                                      TELEPHONE: 919.248-1000
INFORMATION FOR SEQ 10 NO: 103:
SEQUENCE CHARACTERISTICS:
LAGRICULE CHARACTERISTICS:
TYPE: amino acids
TYPE: amino acids
STRANDEDNESS: «Unknown»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
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73. Appl 112. Appl 112. Appl 112. Appl 113. Appl 193. Appl 193. Appl 112. Appl 113. Appl 113. Appl 114. Appl 115. Appl 116. Appl 117. Ap

Sequence Sequence Sequence

Sequence 3 Sequence 3 Sequence 3 Sequence 1 Sequence 1

Sequence

Sequence 73, 7 Sequence 112,

Sequence ?

Appl: Appl

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Length 8;
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lailly 100.0%; Pred. No. 2.5e+05;
Tais-relative 8; Mismatches 0;
US-08-764-640-13
US-08-774-640-112
US-08-973-225-112
US-09-973-225-112
US-09-244-298A-113
US-09-516-704-113
US-09-516-704-112
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COMPUTER READABLE FORM:
MEDIJM TYPE: 3.8 INCB, 1.44 Mb floppy disk
COMPUTER: IEM PR compatible
OPERATING SYSTEM: PC-DOS/MS DOS
SOFTWARE: WinParin (Genentech)
CURRENT APPLICATION DATA.
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FILLOS DATE
(10/00 DATE)
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Fatent Mo. 5965709
GENERAL INFORMATION:
APPLICANT: Presta Legiard G.
APPLICANT: Unidate, Paula M.
ITLUE F. INVENTION: Igs Antagonists
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECT WYONICATION INFORMATION:
TELEPHONE: 652/225:1489
TELEFAX: 652/95:988.
INFERMATION PRY REQ ID NO: 42:
SEQUENT: THRRACHERISTICS:
LENTIN: 8 attro Acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSER: Generiech, inc. STREST: 1 DNA Way CITY: South San Francisco STATE: California
           Amino Acid
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           TCPCLOGY:
08 232-5/90-42
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US-08-232 6:9D 42
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                                                                                                                                                                                                                                             ) Seatch tree 21 presents
(without lithurants
22.184 Million of 1 options/sec
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/cgn2 = /ptodata/linax/sA CVML.pop.*
                                        version 5.1.6
2003 Compugen Ltd
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Maximum Match 1003
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Copyright (c) 1993
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Match Length DB
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Maximum DB seq length: 11
                                                                                                                                                                                                                                                        November
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Perfect score:
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                                                                                                                                                                                     CM protein
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Pred. No. 2.5e+05;
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| Sequence 57 Application US/08466151
| Patent No. 603453
| Patent No. 603453
| Patent No. 603453
| The Patent No. 603453
| The Patent No. 1 Penala M. APPLITMIT Patent J. Leonard G. Tribe P. Inventor Leonard G. Tribe P. Inventor S. 65
| Tribe P. Inventor No. 1 Penala M. NITTER P. NITTER P. ALDERSE G. ALDERSE ADDRESS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: California
CORTRY: USA
21P 94280
COMPUTER READABLE FORM:
MEDIUM TYPE: 1 inch, 1.44 Mb floppy disk
COMIUTER: 1EM PC COMPatible
CORTUTER: 1EM PC COMPatible
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REGISTRATION NUMBER: 39,644
REFERENCE/OCKET NUMBER: 99,644
REFERENCE/OCKET NUMBER: POTIBP2CIDI
TELECOMMUNICATION INFORMATION:
TELECHONE: 650/225-1489
INFORMATION FOR SEQ ID NO: 24,820/UEWCE CHARACTERISTICS:
LENGTH: 8 a Ting a clds
    APPLICATION NUMBER: US/08/466,151
FILING DATE:
CLASSIFICATION:
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APPLICATION NUMBER: US/08/466,151
                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/466163
FILING DATE: 06/2011-1995
APPLICATION NUMBER: 08/45617
FILING DATE: 15-XAR-1995
APPLICATION NUMBER: 06/19599
FILING DATE: 15-XAR-1995
FILING DATE: 24 JAN-1994
PROCA APPLICATION NUMBER: 07/819495
FILING DATE: 07 MAY-1992
PRIOR APPLICATION NUMBER: 07/819495
FILING DATE: 14-AUG 1991
APPLICATION NUMBER: 07/44768
FILING DATE: 14-AUG 1991
APPLICATION DATE: 14-AUG 1991
ANNING CORMATION:
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PRIOR APPLICATION UNMESS. 08/466163
FILING CATE. 06-Jun 1995
APPLICATION NUMBER: 06/405617
FILING CATE. 1 MAR-1995
PRIOR APPLICATION CATE.
APPLICATION CATE. 1 MAR-1995
FILING CATE. 2 CAR 1995
FILING CATE. 2 CAR 1994
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Best Local Similarity 100.
Varches 8. Conservative
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US-08-466 151-24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CONTINUES PREABBLE FORM.
MEDIOM TYPE: 3.5 inch, 1.44 ME (10FP) disk
MEDIOM TYPE: 3.5 inch, 1.44 ME (10FP) disk
COMPUTER: 3.5 inch, 1.45
FARTHER TOWN DATE: 3.6 inch, 1.6 inch, 1
                                                                                                                                                                                                                                                 Sequence 16, Application US/2846402-A
Patent No. 5994514
Patent No. 5994514
THERALI INCAMATION INNUNCACEDIUM VARIANTI
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS
ADDRESSEE: Generach, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STREET: 1 Ona Way
CITY: Address of Streets
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER FACTOR 15 INCh. 1 44 Mt. 11:jpy directoring TYPE 15 Inch. 1 44 Mt. 11:jpy directoring TYPE 15 Inch. 1 54 Mt. 11:jpy directoring TYPE 15 Inch. 1 60 COMPATION SYSTEM: PC-DCS/MS-D13 NOFTWARE: Windatin (Geneticon)
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Fitens No. 63745.
GENERAL INFORMATO.
APPLICANT: Jardicu, Paula M.
APPLICANT: Presta, Leonard G.
TITUE OF INVENTION: Immunoglobulin Variants
NIMBER CF SEQUENCES: 65
CORRESE NURSE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ACCARISEE Generated, Inc. STREET I DNA WAY CITY STATE SAN Francisco CONTES. Jalifornia
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SY: Linear
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CKHWISER 8
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PS-08 464-025A-16
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APPLICANT: Deprince, Randciph B.
APPLICANT: Deprince, Randciph B.
APPLICANT: Poddurin, Surekha
APPLICANT: PIN, Cun.
TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO J.
TITLE OF INVENTION: RECEPTOR
NUMBER OF SEQUENCES:
ALCHESSER: Glaxo Wellcome
                                                                                                                                                                                                                                                                                                                                                                                                          Query Match (22.7%) Score 48; DB 4; Length 8; Best Local Similarity 100.0%; Pred. No. 2.5e+05; Matches 8; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDITY TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Floppy disk
CORRENT APPLICATION DATA:
APPLICATION NAME: US/08/764,640
FLING DATE: 1.0EC.1996
CLASSIFICATION: 514
ATTOANEY/AGENT INFORMATION:
NAME: HTUDIEC, ROBERT T.
REGISTRATION NUMBER: 36,392
REFERENCE/DOCKET NUMBER: PR3281
CURRENT APPLICATION NUMBER: US/08/466,163B
CURRENT FILING DATE: 1995-06-06
PRIOR APPLICATION NUMBER: US 08/405,617
PRIOR FILING DATE: 1995-03-15
PRIOR APPLICATION NUMBER: US 08/186,899
PRIOR APPLICATION NUMBER: US 07/87,495
PRIOR PILING DATE: 1994-01-28
PRIOR APPLICATION NUMBER: US 07/873,495
PRIOR APPLICATION NUMBER: US 07/874,768
PRIOR APPLICATION NUMBER: US 07/744,768
PRIOR APPLICATION NUMBER: US 07/744,768
PRIOR APPLICATION NUMBER: US 07/744,768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Five Moore Drive, P.C. Sox 13398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Dower, William J.
Barrett, Ronald W.
CWIRLS, Steven E.
Gares, Christian
Schatz, Peter J.
Balasubramanian, Palaniappan
Waggtrom, Christopher R.
Hendren, Richard W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       // Sequence 118, Application US/C8764640
// Patent No. 5669451
// Patent No. 5869451 5837683
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TELEPHONE: 919-248-1000
INFORMATION FOR SEC ID NO: 118:
SEQUENTE CHARACTERISTICS:
LENGTH: 10 animo acids
TYPE: Animo acids
STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                     ) ORGANISM: Homo sapiens
US-08-466-1633-57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3 CKHWISDR 10
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APPLICANT:
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APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                  SEQ ID W: 57
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100.0%; Pred Mr stores
dtive 6; Missalities
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APPLICANT JARGEL, Paula M.
APPLICANT PRESS, Leonard G.
TITE OF INVENTION IMMUNCGIODIEN VARIANTS
FILE REPERBUGE: POTIBERELL
CURRENT APPLICATION NUMBER: US/08/456,16/18
CURRENT APPLICATION NUMBER: US/08/456,16/18
CURRENT APPLICATION NUMBER: US/08/456,16/18
PRIOR APPLICATION NUMBER: US/08/16/4/90
PRIOR APPLICATION NUMBER: US/08/16/4/90
FRIOR FILING CATE: 1994-01-26
FRIOR FILING CATE: 1994-01-26
FRIOR FILING CATE: 1992-05-07
FRIOR FILING CATE: 1991-08-14
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APPLICANT: Jardieu, Paula M.
APPLICANT: Presta, Leonard G.
TILLS CP INVENTION: Immunoglobulin Variants
FILE REFERENCE: P07/18P2CID1
                                                                                                                                                                                                                      PQ31 4P. 0101
  PRIOR ATRICATION DATA:
APPLICATION NUMBER: 0:/879495
FILMS DATE: 0:-MAY:1942
PRIOR APPLICATION DATA:
AFFLICATION NUMBER: 0:7744746
FILMS DATE: 14-AUG.1911
ATTORNEY/AGENT INFORMATION:
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Futent No. 6329509
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                                                                                                                                                                                                  39,644
                                                                                                                                                                  NAME: Svoboda, Craig G
REGISTRATICAN WUMBER: 39,044
PREFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATIONS
                                                                                                                                                                                                                                                                                      TELBEAX: 650/952-9881
INPORMATION POR SEQ LD NO: 57:
SEQUENTE CHARACTERISTICS:
LENGTH: 8 AMILD ADIGS
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Matches 8, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                   TYPE: Amino Acid
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US-08 466:16:8:24
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Application US/03244298A
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ADDRESSEE: Glaxo Wel
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Matches 4, Conserv
                                                                                                           GENERAL INFORMATION:
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                         Sequence 118,
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APPLICANT:
APPLICANT:
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APPLICANT:
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CITY: Re
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US-09-516
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WHOLIN TYPES Floppy disk
COMPUTER I IBM PC COMPACTIST
CHEMATING SYSTEM, PC-LGS-M3 [1-8]
CHEMARE PARENTIST RC-LGS-M3 [1-8]
CHERRY APPLICATION NATA
APPLICATION NATE:
CHEMATING NATE:
CH
                                                                                                                                                                                                       Guery Match
Pest Local Similarity 44.4%, Pred. No. 753,
Matches 4, Conservative 2, Numerobes
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ADDRESSEE Glaxo Welloum-
STREET: Five Modio Driver Fr
CITY: Research Tilangie Filk
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Barrett, Sonald W
Cwittle, Schwen E.
Cuffin, David C.
Gates, Christian
Hasolden, Sherril S
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US-08-97: 225-118
Faddactor LTB, Application US/08973225A
Faron: No. 6683913
FARORRAD: INFORMATION: William Universe William Univers
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MODELUGE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ II 1.
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:NFGMATICN FOR SEQ ID NO: 118:
SFQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
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Bost Local Sumilarity 44.4
Marches 4: Conservative
) TOPOLOGY: linear

, MCLECULE TYPE: peptide

US-08 764-640-118
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APPLICANT: Vir. Cin.
TILLS OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO A
TILLE OF INVENTION: PEEPTIDES AND COMPOUNDS THAT BIND TO A
TILLE SEQUENCES: 244
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44.4%; Pred. No. 75;
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Raiasubramanian, Palaniappan
Rajsitom, Christopher R.
Houlet, Richard W.
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Research Triangle Park
Dower, William J.
Barrett, Ronald W.
Gwirla, Steven E.
Grack, Christian
Schatz, Perer J.
Balasubramanian, Palaniappan
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Hendren, Richard W.
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MEDIUM TYPE: Floppy disk
CWITTER: IBM PC computable
OPEHATING SYSTEM: PC-DOS/MS-DGS
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) Patent Mr. 6251864
) GENERAL INFORMATION:
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Podduturi, Surekha
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Gates, Christian
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JENSTH: 10 amino acids
TYPE: amino acid
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                                                                                                                                                REGISTRATION NUMBER: 36,392
REFERENCE/FOCKET NUMBER: PK3065USW
                                                                                                                                                                                                                                                                                                                                                                                                                                                          M. smatches
                   APPLICATION NUMBER: US/09/549,090
                                                                   APPLICATION NUMBER: US 08/973,225
                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear / MERCULE TYPE: pertide / SEQUENCE DESCRIPTION: SEQ ID NO: 118: US-09-549 F90-118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MIPS REALMENCE FORM: WHITH TYPE FORM: WENTON TYPE: FLORMY disk of MCTORN TYPE: FLORMY disk of REMATING SYSTEM: FC-DOS/MS-DOS CIERATING SYSTEM: FC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Hrubled, Robert T.
REGISTRATION NUMBER: 36, 192
REFERENCE/DOCKET NUMBER: FK3281
TELECOMMUNICATION INFORMATION:
TELEBHONE: 919-248-1000
INFORMATION FOR SEC 10 NO: 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: Five Moore Drive, P.C. CITY: Research Triangle Park STATE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               M. LETTLE TYPE POPULAR
SECTION DISCHIPTION SECTION (CS-09-8), 1-0A-116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NIMBER OF SEQUENCES: 244
CHRESPONDENCE ADDRESS:
ADDRESSEE: Glaxo Wellcome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 10-Apr-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                    THESCHMUNICATION INFORMATION:
THESPHORES 919-748-1000
INFORMATION FOR SEC 12 NO. 114:
SEQUENCE CHARACTERISTICS:
                                   FILING DATE: 13-Apr-2000
PEIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                       STRANDEDNESS: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: arino acid
STRANDEDNESS: < Unknown>
                                                                                                                                                                                                                                                                 LENGTH: 10 amino acids TYPE: anino acid
                                                                                       FILING DATE: «Unknown»
ALTORNEY/AGENT INFORMATION:
NAME: HTLLEGO, ROBERT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A: FORNEY/AGENT INFORMATION:
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CURRENT APPLICATION DATA:
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Best Local Similarity 44.4
Matches 4, Conservative
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Gares, Christian
Gaselden, Sheril S.
Martheakis, Larry C.
Schatz, Peter J.
Wagstrom, Christopher P.
Wrighton, Nacholas.
TITLE OF INVENTION: PETTIDES AND CONFORMS CHAIL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE: Florgy disk
COMPUTER: IBM PC comparible
OPERATING SYSTEM: PC-DCS/MS-DUS
SOFTWARE: Patentin Release H1 U, Version
CURRENT APRICATION DATA:
APPLICATION NUMBER: US/09/PUS/04
FILING DATE: C1 Mar-2000
CLASSIFICATION: <UNKnown>
             MUMBER OF SEQUENCES: 244
CORRESPONDENCE ADDRESS:
ADDRESSE: Glaxo Wellcom-
STREET: Five Moore Drive, P.D. Box 12398
CITY: Research Triangle Fark
STATE: NO
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MCLECULE TYPE: peptide
SEQUENCE LESCHIPTION: SEQ ID N:: 118:
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MEDIEY TYPE: Floppy disk
CAMILTER: 18M PAL COMPATIFIE
CREATING SYSTEM: FOLDOSY
SCHEWAPE: Patentin Rollosse #1 0.0.
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ADDRESSEE: Glaxo Wellcome
STREET: Five Moore Drive, Fill
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44.4%; PYMA; NO.
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                                                                                                                                                                                                                                                                                                                                                        NAME: Houbled, Robert T.
REGISTRATION NUMBER: 36,592
REFERENCE/DOCKET NUMBER: FW:
TELECOMUNICATION INFORMATICM:
INFORMATICN FOR SEQ ID NO: 118.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 119, Application US/09549730
Fateri No. 445430
GENERAL INPORMATION:
AFFICAMATION DAME: William 3.
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Owirla, Steven R.
Duffin, David J.
RECEPTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANCEDNESS: < Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10 amino acids
                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SPQUENCE CHARACTERISTICS
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                                                                                                                            COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gerry Match
Best Local Similarity 44.4
Mutches 4/ Conservative
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US-09 ~49-040-118
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Amino Acid
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US-08-424-426A-45
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D
                 Gaps
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                :; 1: Je ; :
                                                                                                                                               Sequence 45, Application US/28451947
Files NC 572206
GENERAL INFORMATION:
APPLICANT ROBENTHEN, ARMON
TITTE OF INVENTED: NOVEL NEUROSE HELD BATTLE NOVERSESSES OF SECURICES: 100
CTRESPONDENCE ADDRESS:
ADDRESSEE Generatech, Inc.
STREET 460 Point San Brun: Blvd
CTV South San Francisco
                                                                                                                                                                                                                                                                                                                                                               POWDUTER SEMBALE FORM:
MEDICAL TYPE: 5.25 inc., 360 80 1048 y disk
COMMUTER IRAN PC COMPATIBLE
COMPATING SYSTEM, PC-DOS/Ms-FOR
SCHTWARE, Datim (Gorentech)
CUPRENT APRLICATION DATA:
APPLICATION NOMBER: US/OB/451, 01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          43.9%; Score un. (m. 42.9%; Phys. No. 95; attve. 4; Mormanicoses
 Pred. No.
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FRICK ACPLICATION: 514

APPLICATION NOMBER: 06/426410

FRICKS OVER: 19-APR 1995

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FRICK AFFLICATION NUMBER: 07/64648.

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US 28 High High Hock Application US ARAPASINA
- Requesive HS, Application US ARAPASINA
- Rithma M. HAROMA
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IMPORMATION FOR SEQ ID NO: 45:
Best Lucal Similarity 44.4%;
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CHARACTERISTICS:
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                4) Conservative
                                             : CSOKHWLSD 9
                                                                          TRICHTIO 6
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                                                                                                                     RESULT 13
US 08 451-947 45
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Georgy March 63.73%, Scott 19, DB 3, 1-nit, 11, Rest Local Similarity 42.93, Pred, No. 83, No. 62, Marches 3, Conservative 4, Marches 1, 1116.18
                                       CHARGE IN AFER LOCATION NUMBER CURRENT APPLICATION DATA
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Street to

Search completed: November 5, 200s, 14-44.50 dob.irme c.zz secs

F SEVWERS :